Overview

Each year, Career Services surveys SEAS Master’s degree candidates to learn of their post-graduation plans. This report includes data from students who graduated in August 2013, December 2013, and May 2014. Information was obtained for 436 (83%) of the 526 Master’s candidates who received degrees. *(We do not survey graduates from the Executive Masters in Technology Management Program.)*

278 (64%) of the graduating respondents reported accepting new full-time employment. Within this group, 165 graduates reported when they received their offer, 60% of which were received before January 2014. 162 full-time employed graduates reported how they identified their opportunity, 40% of which were directly resulting from Career Services-related resources and leads. Manufacturing and technology continue to be the top employment sectors for graduates, at 65% combined. In all sections of this report, average salaries include respondents who indicated they were beginning full-time employment in the United States; overall average salary for SEAS Master’s respondents beginning full-time employment was $83,601 (+2% over 2013).

The percentage of Master’s candidates pursuing additional studies increased 4% over 2013; of the 52 students committed to continued study, 79% were enrolling in doctoral programs, 13.5% in additional Master’s level coursework, and 8% in medicine.

Prepared by: Jamie Grant, Associate Director, January 2015

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Methodology

A complete list of graduating Master’s students, excluding students in the Executive Masters in Technology and Management program, was provided by the SEAS Academic Programs Office. Engineering students graduating with a Master’s degree in August 2013, December 2013 and May 2014 responded to unique email requests (from Career Services and from the SEAS Academic Programs Office) to complete the Career Plans Survey on the Career Services website. In the fall of 2014, friendly reminders to complete the survey were sent to those who had not responded to earlier requests or who had previously indicated they were still seeking employment or graduate school admission. LinkedIn was also searched to update information on those candidates who had not previously responded.

Post Graduate Plans

- Full-time Employed 64%
- Continuing Current Employment 2%
- Attending Graduate School 12%
- Self-Employed 1%
- Short-term Employed 2%
- Short-term Educational Program 1%
- Seeking Employment 16%
- Seeking Graduate School Admission 2%
- Other <1%
SECTION I – ANALYSIS OF FULL-TIME EMPLOYED RESPONDENTS

Analysis of Full-time Employed Respondents: Top Employers
(Table includes both respondents beginning full-time employment and those continuing current employment)

<table>
<thead>
<tr>
<th>Organization</th>
<th>Number Accepted</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amazon</td>
<td>24</td>
</tr>
<tr>
<td>Oracle</td>
<td>16</td>
</tr>
<tr>
<td>University of Pennsylvania (including Arts &amp; Sciences, the Museum of Archaeology and Anthropology, Perelman School of Medicine, School of Dental Medicine, School of Social Policy and Practice and the School of Engineering and Applied Science)</td>
<td>11</td>
</tr>
<tr>
<td>Facebook</td>
<td>10</td>
</tr>
<tr>
<td>Accenture, Bank of America Corporation &amp; Affiliates, Deloitte, Google, Microsoft, Yahoo</td>
<td>5</td>
</tr>
<tr>
<td>LinkedIn</td>
<td>4</td>
</tr>
</tbody>
</table>

Analysis of Full-time Employed Respondents: Date Received Offer
165 graduates who accepted new full-time employment reported the date they received the offer for the position they accepted. 60% of graduates in this report received their job offer before January 2014, and 93.9% received their offer prior May 2014.

<table>
<thead>
<tr>
<th>Date Received Offer</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Before September 2013</td>
<td>19.4%</td>
</tr>
<tr>
<td>September 2013 - December 2013</td>
<td>40.6%</td>
</tr>
<tr>
<td>January 2014 - May 2014</td>
<td>33.9%</td>
</tr>
<tr>
<td>June 2014 or later</td>
<td>6.1%</td>
</tr>
<tr>
<td>Total</td>
<td>100%</td>
</tr>
</tbody>
</table>

Analysis of Full-time Employed Respondents: How Received Offer
170 graduates who accepted new full-time employment reported the resource by which they identified the opportunity accepted. Of those, 40% of offers received were directly resulting from Career Services-related resources and leads.

<table>
<thead>
<tr>
<th>How Received Offer</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applied Directly to Organization</td>
<td>28.8%</td>
</tr>
<tr>
<td>On-Campus Recruiting (OCR)</td>
<td>22.9%</td>
</tr>
<tr>
<td>Other Career Services Leads</td>
<td>8.8%</td>
</tr>
<tr>
<td>Previous Non-OCR Employer (summer internship not obtained through OCR, resulting in full-time offer)</td>
<td>12.9%</td>
</tr>
<tr>
<td>Previous OCR (summer internship obtained through OCR, resulting in full-time offer)</td>
<td>8.2%</td>
</tr>
<tr>
<td>Family/Friends/Contacts</td>
<td>5.9%</td>
</tr>
<tr>
<td>Internet</td>
<td>7.1%</td>
</tr>
<tr>
<td>Other</td>
<td>2.9%</td>
</tr>
<tr>
<td>Department Contact</td>
<td>2.4%</td>
</tr>
<tr>
<td>Total</td>
<td>100.0%</td>
</tr>
</tbody>
</table>
### Analysis of Full-time Employed Respondents: Geographic Distribution of Employment

<table>
<thead>
<tr>
<th>States</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>California</td>
<td>78</td>
</tr>
<tr>
<td>Pennsylvania</td>
<td>53</td>
</tr>
<tr>
<td>New York</td>
<td>34</td>
</tr>
<tr>
<td>Washington State</td>
<td>31</td>
</tr>
<tr>
<td>New Jersey</td>
<td>16</td>
</tr>
<tr>
<td>Massachusetts, Virginia (each)</td>
<td>6</td>
</tr>
<tr>
<td>D.C., Florida, Maryland, Wisconsin (each)</td>
<td>3</td>
</tr>
<tr>
<td>Colorado, Connecticut, Illinois, Michigan, New Mexico, Rhode Island, Texas (each)</td>
<td>2</td>
</tr>
<tr>
<td>Arizona, Delaware, Georgia, Indiana, North Carolina, New Hampshire, Ohio, Wyoming (each)</td>
<td>1</td>
</tr>
</tbody>
</table>

*Outside the United States (17 total): China (12), Japan (2), Pakistan (1), & South Korea (2)*

### Analysis of Full-time Employed Respondents: Job Interviews - Range and Average Number

<table>
<thead>
<tr>
<th>Type</th>
<th>Range</th>
<th>Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>On-Campus Recruiting (OCR) Interviews</td>
<td>1 - 20</td>
<td>4.5</td>
</tr>
<tr>
<td>Interviews Resulting from Career Services Leads</td>
<td>1 - 20</td>
<td>4.3</td>
</tr>
<tr>
<td>(Career Day, Job Postings, PennLink)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Interviews on His or Her Own</td>
<td>1 - 40</td>
<td>4.6</td>
</tr>
<tr>
<td>All Interviews Combined</td>
<td>1 - 52</td>
<td>8.7</td>
</tr>
</tbody>
</table>

### Analysis of Full-time Employed Respondents: Job Offers - Range and Average Number

<table>
<thead>
<tr>
<th>Type</th>
<th>Range</th>
<th>Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>On-Campus Recruiting Offers</td>
<td>1 - 12</td>
<td>1.7</td>
</tr>
<tr>
<td>Career Services Offers (Career Day, Email Postings, PennLink)</td>
<td>1 - 4</td>
<td>1.4</td>
</tr>
<tr>
<td>Offers from Sources other than OCR and Career Services</td>
<td>1 - 4</td>
<td>1.4</td>
</tr>
<tr>
<td>All Offers Combined</td>
<td>1 - 20</td>
<td>1.9</td>
</tr>
</tbody>
</table>
## Analysis of Full-time Employed Respondents’ Salary: Overall Salary

The range of salaries reported by candidates accepting new full-time employment in the United States in 2014 was $25,000 - $120,000. The average salary for these graduates was $85,251, an increase of 2% from 2014.

### Analysis of Full-time Employed Respondents’ Salary: By Graduate Program (primary)

<table>
<thead>
<tr>
<th>Academic Program (Number of Respondents)</th>
<th>Average</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioengineering (6)</td>
<td>$69,533</td>
<td>$58,000 - $82,200</td>
</tr>
<tr>
<td>Biotechnology (MBiotech) (8)</td>
<td>$55,500</td>
<td>$30,000 - $105,000</td>
</tr>
<tr>
<td>Chemical &amp; Biomolecular Engineering (1)</td>
<td>$*</td>
<td>$*</td>
</tr>
<tr>
<td>Computer &amp; Information Science (37)</td>
<td>$101,054</td>
<td>$48,000 – $120,000</td>
</tr>
<tr>
<td>Computer &amp; Information Technology (MCIT) (16)</td>
<td>$88,244</td>
<td>$48,000 – $113,000</td>
</tr>
<tr>
<td>Computer Graphics &amp; Game Technology (9)</td>
<td>$83,333</td>
<td>$50,000 – $120,000</td>
</tr>
<tr>
<td>Electrical Engineering (12)</td>
<td>$96,447</td>
<td>$60,000 - $115,000</td>
</tr>
<tr>
<td>Embedded Systems (7)</td>
<td>$96,643</td>
<td>$72,000 - $115,000</td>
</tr>
<tr>
<td>Integrated Product Design (2)</td>
<td>$*</td>
<td>$*</td>
</tr>
<tr>
<td>Materials Science &amp; Engineering (3)</td>
<td>$84,167</td>
<td>$67,500 - $113,000</td>
</tr>
<tr>
<td>Mechanical Engineering &amp; Applied Mech. (12)</td>
<td>$65,417</td>
<td>$40,000 - $85,000</td>
</tr>
<tr>
<td>Nanotechnology (1)</td>
<td>$*</td>
<td>$*</td>
</tr>
<tr>
<td>Robotics (4)</td>
<td>$87,625</td>
<td>$72,500 - $100,000</td>
</tr>
<tr>
<td>Systems Engineering (14)</td>
<td>$72,679</td>
<td>$60,000 - $85,000</td>
</tr>
<tr>
<td>Telecommunications and Networking (8)</td>
<td>$88,625</td>
<td>$65,000 - $114,000</td>
</tr>
<tr>
<td><strong>Overall (140)</strong></td>
<td><strong>$84,367</strong></td>
<td><strong>$65,000 - $120,000</strong></td>
</tr>
</tbody>
</table>

### Analysis of Full-time Employed Respondents’ Salary: By Industry

<table>
<thead>
<tr>
<th>Industry (Number of Respondents)</th>
<th>Average</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communications: Media/Entertainment (2)</td>
<td>$*</td>
<td>$*</td>
</tr>
<tr>
<td>Consulting (16)</td>
<td>$69,468</td>
<td>$50,000 - $105,000</td>
</tr>
<tr>
<td>Design (3)</td>
<td>$64,500</td>
<td>$60,000 - $72,500</td>
</tr>
<tr>
<td>Education: Higher Ed. Research Labs/Centers (5)</td>
<td>$40,000</td>
<td>$30,000 - $48,000</td>
</tr>
<tr>
<td>Energy/Natural Resources/Utilities (2)</td>
<td>$*</td>
<td>$*</td>
</tr>
<tr>
<td>Financial Services (9)</td>
<td>$81,556</td>
<td>$70,000 - $87,000</td>
</tr>
<tr>
<td>Government: Federal (1)</td>
<td>$*</td>
<td>$*</td>
</tr>
<tr>
<td>Government: U.S. National Laboratories (2)</td>
<td>$*</td>
<td>$*</td>
</tr>
<tr>
<td>Healthcare: Hospital (2)</td>
<td>$*</td>
<td>$*</td>
</tr>
<tr>
<td>Insurance (1)</td>
<td>$*</td>
<td>$*</td>
</tr>
<tr>
<td>Manufacturing: Aerospace (3)</td>
<td>$75,667</td>
<td>$74,000 - $78,000</td>
</tr>
<tr>
<td>Manufacturing: Automotive (2)</td>
<td>$*</td>
<td>$*</td>
</tr>
<tr>
<td>Manufacturing: Biomedical/Pharmaceuticals (3)</td>
<td>$60,667</td>
<td>$42,000 - $78,000</td>
</tr>
<tr>
<td>Manufacturing: Comp. Products-Hardware (4)</td>
<td>$73,000</td>
<td>$50,000 - $90,000</td>
</tr>
<tr>
<td>Manufacturing: Other (2)</td>
<td>$*</td>
<td>$*</td>
</tr>
<tr>
<td><strong>All Manufacturing (14)</strong></td>
<td><strong>$67,571</strong></td>
<td><strong>$42,000 - $90,000</strong></td>
</tr>
<tr>
<td>Real Estate/Construction (1)</td>
<td>$*</td>
<td>$*</td>
</tr>
<tr>
<td>Retail/Wholesale (3)</td>
<td>$79,067</td>
<td>$65,000 - $90,000</td>
</tr>
<tr>
<td>Technology (79)</td>
<td>$97,956</td>
<td>$48,000 - $120,000</td>
</tr>
</tbody>
</table>

* Information/salary not reported to maintain confidentiality
### Analysis of Full-time Respondents’ Salary: By Job Type

<table>
<thead>
<tr>
<th>Job Type (Number of Respondents)</th>
<th>Average</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Consulting</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Management/Strategy (6)</td>
<td>$71,833</td>
<td>$50,000 - $105,000</td>
</tr>
<tr>
<td>Research (1)</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>Technology/Information Systems (9)</td>
<td>$69,167</td>
<td>$50,000 - $79,000</td>
</tr>
<tr>
<td><strong>Consulting Overall (16)</strong></td>
<td>$69,594</td>
<td>$50,000 - $105,000</td>
</tr>
<tr>
<td><strong>Energy/Environment</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Management &amp; Policy (2)</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td><strong>Engineering</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Design (9)</td>
<td>$80,278</td>
<td>$45,000 - $114,000</td>
</tr>
<tr>
<td>Manufacturing/Production (2)</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>Quality Assurance (1)</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>Research &amp; Development (7)</td>
<td>$75,714</td>
<td>$48,000 - $95,000</td>
</tr>
<tr>
<td>Testing (1)</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>Project Management (1)</td>
<td>$90,000</td>
<td>$60,000 - $110,000</td>
</tr>
<tr>
<td><strong>Engineering Overall (21)</strong></td>
<td>$77,167</td>
<td>$45,000 - $114,000</td>
</tr>
<tr>
<td><strong>Finance</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Investment Management/Counsel (1)</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>Investment Banking Analyst (1)</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td><strong>Finance Overall (2)</strong></td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td><strong>Information Technology</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Data Analyst/Administrator (5)</td>
<td>$82,600</td>
<td>$65,000 - $98,000</td>
</tr>
<tr>
<td>Network Engineer (2)</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>Program Manager (3)</td>
<td>$98,333</td>
<td>$85,000 - $110,000</td>
</tr>
<tr>
<td>Software Developer/Engineer (71)</td>
<td>$98,514</td>
<td>$48,000 - $120,000</td>
</tr>
<tr>
<td>Systems Engineer/Analyst (2)</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>Technical Artist/Game Developer (2)</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>Technical Director (1)</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>Technology Analyst (1)</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td><strong>Information Technology Overall (87)</strong></td>
<td>$95,649</td>
<td>$48,000 - $120,000</td>
</tr>
<tr>
<td><strong>Management/Administration</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>General Management (1)</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>Operations (1)</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td><strong>Other (2)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Scientific Research</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biology/Biochemistry (5)</td>
<td>$41,800</td>
<td>$30,000 - $55,000</td>
</tr>
<tr>
<td>Biomedical (Other) (1)</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td><strong>Scientific Research Overall (6)</strong></td>
<td>$39,000</td>
<td>* - $55,000</td>
</tr>
</tbody>
</table>

* Information/salary not reported to maintain confidentiality.
### SECTION III - ANALYSIS OF FULL-TIME EMPLOYMENT

<table>
<thead>
<tr>
<th>Industry</th>
<th>Employment by Industry</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technology</td>
<td>138</td>
</tr>
<tr>
<td>Manufacturing</td>
<td>43</td>
</tr>
<tr>
<td>Consulting</td>
<td>35</td>
</tr>
<tr>
<td>Financial Services</td>
<td>18</td>
</tr>
<tr>
<td>Education</td>
<td>13</td>
</tr>
<tr>
<td>Government</td>
<td>6</td>
</tr>
<tr>
<td>Healthcare</td>
<td>6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Industry</th>
<th>Employment by Industry</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communications</td>
<td>5</td>
</tr>
<tr>
<td>Retail/Wholesale</td>
<td>5</td>
</tr>
<tr>
<td>Design</td>
<td>4</td>
</tr>
<tr>
<td>Energy/Natural Resources/Utilities</td>
<td>3</td>
</tr>
<tr>
<td>Insurance</td>
<td>1</td>
</tr>
<tr>
<td>Real Estate/Construction</td>
<td>1</td>
</tr>
</tbody>
</table>

**Analysis of Full-time Employment: By Industry**

**Full-time Employment by Industry**

*With Manufacturing Subchart*

- **Technology**: 50%
- **Consulting**: 13%
- **Financial Services**: 7%
- **Education**: 5%
- **Healthcare**: 2%
- **Government**: 2%
- **Communications**: 2%
- **Retail/Wholesale**: 2%
- **Design**: 1%
- **Energy/Natural Resources/Utilities**: 1%
- **Insurance**: <1%
- **Real Estate/Construction**: <1%

**Full-time Employment by Industry: Manufacturing**

- Biomed. Products/Pharma: 25%
- Electronics/Robotics: 23%
- Other: 16%
- Pharmaceuticals - Biotech: 13%
- Aerospace: 7%
- Automotive: 7%
- Telecomm.: 5%
- Comp. Products - Hardware: 12%
- Chemicals/Gases: 5%
### Analysis of Full-time Employment: By Job Type

<table>
<thead>
<tr>
<th>Job Type</th>
<th>Number</th>
<th>Job Type</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Info. Tech.</td>
<td>155</td>
<td>Marketing</td>
<td>3</td>
</tr>
<tr>
<td>Engineering</td>
<td>49</td>
<td>Government</td>
<td>2</td>
</tr>
<tr>
<td>Consulting</td>
<td>32</td>
<td>Management</td>
<td>2</td>
</tr>
<tr>
<td>Scientific Research</td>
<td>14</td>
<td>Education</td>
<td>1</td>
</tr>
<tr>
<td>Other/Not-specified</td>
<td>12</td>
<td>Not-for-Profit/Social Services</td>
<td>1</td>
</tr>
<tr>
<td>Financial Services</td>
<td>4</td>
<td>Public Relations</td>
<td>1</td>
</tr>
<tr>
<td>Energy</td>
<td>3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Full-time Employment by Job Type**  
*With Engineering and Information Technology Subcharts*

**Engineering**
- Research & Development: 47%
- Design: 29%
- Manu./Production: 8%
- Quality Assurance: 6%
- Systems: 6%
- Project Mgmt.: 2%
- Testing: 2%

**Information Technology**
- Software Dvlp./Engineer: 76%
- Data Analyst/Admin.: 8%
- Program Mgr.: 5%
- Systems Eng./Analyst: 3%
- Tech. Artist/Game Dvlp.: 2%
- Tech. Director: 2%
- Network Eng.: 1%
- Product Designer: 1%
- Tech. Support Spec.: 1%
- Tech. Analyst: 1%

*Percentages may not sum to 100 due to rounding.*
Analysis of Full-time Employment: By Program of Study

Bioengineering
Accenture, Life Sciences/Products, New York, NY, Management Consulting Development Program Member
Accenture, Management Consulting, San Francisco, CA, Title not provided
Biomet, Patient-Matched Implants Department, Warsaw, IN, Development Engineer
Centerview Partners, San Francisco, CA, Analyst
Chongqing Nankai Secondary School, Advanced Program, Chongqing, China, Teacher
Epic Systems, Verona, WI, Technical Services Analyst
Frankel Group, New York, NY, Analyst
Impulse Dynamics, Mount Laurel, NJ, Field Clinical Engineer
IMS Health, Plymouth Meeting, PA, Consultant
McMaster-Carr, Management Development, Robbinsville, NJ, Title not provided
Mu Sigma, Seattle, WA, Analyst
Musculoskeletal Transplant Foundation (MTF), Edison, NJ, Associate Engineer
Relay Network, Radnor, PA, Software Development Engineer in Test
The Children's Hospital of Philadelphia, Philadelphia, PA, Data Analyst
University of Pennsylvania, SEAS, BIOLines Laboratory, Philadelphia, PA, Research Scientist

Biotechnology
Accriva Diagnostics (formerly International Technidyne Corporation), Piscataway, NJ, QC Technologist II
Alliance Life Sciences Consulting Group, Inc., Somerset, NJ, Associate Consultant
Bain & Company, San Francisco, CA, Associate Consultant
Barclays Capital, Technology, New York, NY Analyst
Cornell University, Evolution and Environmental Biology, Ithaca, NY Technician II
DuPont, Wilmington, DE, Associate Investigator
Elsevier, Elsevier Science, New York, NY, Associate Account Manager
GlaxoSmithKline, Collegeville, PA, Senior Scientist
HanAll Biopharma, Seoul, South Korea, Research Scientist
Merck & Co., Inc., Screening and Protein Sciences, North Wales, PA Automation Research Scientist
Merck & Co., Inc., Global Engineering Tech Op's, West Point, PA Engineering Specialist
Novartis Institutes for BioMedical Research, Cambridge, MA, Scientific Associate II (Oncology Biotherapeutics)
Oceaneering Biosciences, Palm Beach Gardens, FL, Bioinformatics Scientist
Percipient, Somerville, NJ, Consultant
Putnam Associates, Burlington, MA, Associate Consultant
Shire Pharmaceuticals, Global Commercial Operations, Lexington, MA, Sales Force Deployment Analyst
SRI International, Menlo Park, CA, Research Associate
The Children's Hospital of Philadelphia, Philadelphia, PA, Research Associate
University of Pennsylvania, PSOM, Microbiology, Philadelphia, PA, Research Specialist D
University of Pennsylvania, SAS, Biology, Philadelphia, PA, Research Scientist
University of Pennsylvania, SDM, Philadelphia, PA, Research Specialist
University of Pennsylvania Health System, Department of Pathology and Laboratory Medicine, Philadelphia, PA, Research Admin Coordinator
University of Pittsburgh, Med-Developmental Biology, Pittsburgh, PA, Research Technician
Veeva Systems, CDP, Pleasanton, CA, Associate Consultant, Commercial Vault
WuXi AppTec, Inc., QC/Analytical, Philadelphia, PA, Laboratory Technician
XenoBiotic Laboratories, Inc, Plainsboro, NJ, Associate Scientist II
Yale School of Medicine, Pediatric Hematology & Oncology, New Haven, CT, Postgraduate Associate

Chemical and Biomolecular Engineering
Amazon, Seattle, WA, Software Developer
Aspen Technology, Houston, TX, Technical Consultant
EXL, New York, NY, Consultant
Janssen, Pharmaceutical Companies of Johnson & Johnson, Location not provided, Associate Scientist
Janssen, Pharmaceutical Companies of Johnson & Johnson, Malvern, PA, Senior Associate Scientist
Johnson and Johnson, Malvern, PA, Associate Scientist

Computer and Information Science
Accenture, Shanghai, China, Title not provided
Airseed, San Francisco, CA, Machine Learning Engineer
Amazon, Palo Alto, CA, Software Development Engineer
Amazon, Seattle, WA, Title not provided
Amazon, Seattle, WA, Software Development Engineer 1
Amazon, Seattle, WA, Software Development Engineer
Amazon, Seattle, WA, Software Development Engineer
Amazon, Seattle, WA, Member of Technical Staff
Amazon, Seattle, WA, Software Development Engineer
Amazon, Seattle, WA, Software Development Engineer
Amazon, Seattle, WA, Software Development Engineer
Amazon, Seattle, WA, Software Development Engineer
Amazon, Seattle, WA, Software Engineer
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Computer and Information Science (continued)

Amplitude, San Francisco, CA, Full Stack Software Developer
Applied Predictive Technologies, Arlington, VA, Engineer in Test
Baidu, Inc., Beijing City, China, Quality Assurance
Bank of America Corporation & Affiliates, New York, NY, Technology Associate
Bank of America Corporation & Affiliates, Pennington, NJ, Technology Analyst
Bank of America Corporation & Affiliates, Hopewell, NJ, Technology Developer
Barclays, New York, NY, Title not provided
Bracket Computing, Sunnyvale, CA, Software Engineer
Clover Inc., Mountain View, CA, Software Engineer
Facebook, Menlo Park, CA, Software Engineer
Facebook, Menlo Park, CA, Software Engineer
Facebook, Menlo Park, CA, Title not provided
Facebook, Menlo Park, CA, Software Engineer
Facebook, Menlo Park, CA, Software Engineer
Facebook, Seattle, WA, Software Engineer
Facebook, Seattle, WA, Software Engineer
Goldman Sachs, New York, NY, Analyst
Google, Menlo Park, CA, Software Engineer
Google, Mountain View, CA, Software Engineer
Google, Mountain View, CA, Software Engineer
Google, Mountain View, CA, Software Engineer
Google, New York, NY, Software Engineer in Test
IBM, Austin, TX, Software Engineer
LinkedIn, Mountain View, CA, Software Development Engineer
Marin Software, San Francisco, CA, Software Developer
McKesson Technology Solutions, Blue Bell, PA, Senior Software Developer
Microsoft, Bellevue, WA, Software Development Engineer in Test
Microsoft, Redmond, WA, Program Manager
Microsoft, Redmond, WA, Program Manager
Oracle, Redwood City, CA, Software Engineer
Oracle, Santa Clara, CA, Software Development Engineer
Oracle, Santa Clara, CA, Software Engineer
Oracle, Santa Clara, CA, Software Developer
Palantir Technologies, New York, NY, Forward Deployed Engineer
Sandia National Laboratories, Albuquerque, NM, Title not provided
Sears Holdings Corporation, Hoffman Estates, IL, Data Engineer
Sensaphone, Oaklyn, NJ, Software Engineer
TellApart, Burlingame, CA, Software Engineer
Upthere, Palo Alto, CA, Member of Technical Staff
VMware, Palo Alto, CA, Member of Technical Staff
Yahoo, Sunnyvale, CA, Software Engineer
Yahoo, Sunnyvale, CA, Software Engineer
Yahoo, Sunnyvale, CA, Software Engineer
Yodle, New York, NY, Software Engineer

Computer & Information Technology (MCIT)

Amazon, Kindle, Seattle, WA, Software Development Engineer
Amazon, Seattle, WA, Software Developer
Amazon, Seattle, WA, Software Development Engineer
Amazon, Web Services, Seattle, WA, Software Engineer
Amazon, Seattle, WA, Software Development Engineer
Amazon, Web Services, Seattle, WA, Software Development Engineer
Amazon, Web Services, Seattle, WA, Software Development Engineer
Bank of America Corporation & Affiliates, Pennington, NJ, IT Project Manager
Bank of America Corporation & Affiliates, Global Markets and Risk Technology, Jersey City, NJ, Associate
Barclays, Technology, New York, NY, Technology Analyst
Bloomberg L.P., New York, NY, Financial Software Developer
CareerBuilder.com, Atlanta, GA, Software Engineer I
Comcast/NBCUniversal, Philadelphia, PA, CORE Tech
Depict, San Francisco, CA, Software Engineer
eBay Enterprise, King of Prussia, PA, Software Engineer
eBay Enterprise, King of Prussia, PA, Software Engineer II
Eventbrite, Engineering, San Francisco, CA, Software Engineer
Facebook, Menlo Park, CA, Software Engineer
Facebook, New York, NY, Software Engineer
Indiegogo, San Francisco, CA, Title not provided
Information Technology University, Lahore, Pakistan, Project Manager
Merck & Co., Inc., Summit, NJ, Emerging Talent Rotational Program
Mozilla, Mountain View, CA, Automation Tools Engineer
Oracle, Santa Clara, CA, Software Engineer
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Computer & Information Technology (MCIT) (continued)

Oracle, Redwood Shores, CA, Member of Technical Staff
Oracle, Middleware fusion, San Francisco, CA, Software Engineer
Oracle, Redwood Shores, CA, Software Engineer II
Rapt, Mountain View, CA, Software Engineer
United States Department of Defense, Fort Meade, MD, Title not provided
University of Pennsylvania, Museum of Archaeology and Anthropology, Deputy Director's Office, Philadelphia, PA, Database Administrator Ur Digitization Project
University of Pennsylvania Health System, Informational Services, Philadelphia, PA, Application Analyst
Yahoo, Sunnyvale, CA, Title not provided
Yahoo, Sunnyvale, CA, Software Engineer

Computer Graphics and Game Technology

Amazon, Web Services, Seattle, WA, Software Development Engineer
Blackstone, Innovations Team, New York, NY, Software Engineer
Blizzard Entertainment, Cinematics, Irvine, CA, Technical Director
Drawbridge, Inc., San Mateo, CA, Front End Engineer
Electronic Arts, San Francisco, CA, Software Development Engineer
Electronic Arts, Orlando, FL, Software Development Engineer
Electronic Arts, Orlando, FL, Software Engineer
ENSO Financial Analytics, New York, NY, Analyst
Facebook, Philadelphia, PA, Software Engineer
Lightning Games, Philadelphia, PA, Software Developer
LinkedIn, Mobile, New York, NY, Software Engineer
loyalkaspar, New York, NY, Technical Coordinator
Microsoft, Redmond, WA, Software Development Engineer
Pennsylvania Game Studio, Philadelphia, PA, Game Developer
Platfora, Inc., Front-end Team, San Mateo, CA, Front-end Engineer
Prologue Films, Technical, Venice, CA, Pipeline Technical Director
SocialTables, Washington, DC, 3D Engineer
Storm8, Redwood Shores, CA, Graphics Engineer
Symphony Commerce, San Francisco, CA, Visual Designer
ZeniMax Online Studios, Hunt Valley, MD, Graphics Programmer

Electrical Engineering

Amazon, Seattle, WA, Software Development Engineer
Bloomberg L.P., Research and Development, New York, NY, Title not provided
Bloomberg L.P., Research and Development, New York, NY, Software Engineer
eBay Enterprise, King of Prussia, PA, Software Engineer
Goldman Sachs, Technology, Jersey City, NJ, Technology Analyst
Hewlett-Packard Company, Location Not Provided, Title not provided
Intel Corporation, ATTD, Phoenix, AZ, Package Engineer
KPMG, Advisory, Shanghai, China, Consultant
Marketo, San Mateo, CA, Software Engineer
Marvell Semiconductor, CPU team, Santa Clara, CA, Engineer
Oracle, Santa Clara, CA, Hardware Engineer
Oracle, Santa Clara, CA, Software Engineer
Oracle, Santa Clara, CA, Software Engineer
Oracle, Solaris Revenue Product Engineering, Santa Clara, CA, Software Engineer
Thomson Reuters, Philadelphia, PA, Technical Project Manager
University of Pennsylvania, SAS, High Energy Physics Experimental Group, Philadelphia, PA, Junior Electrical Engineer
University of Pennsylvania, SEAS, Electrical and Systems Engineering, Philadelphia, PA, Research Assistant, mLab
Woori Marine Co., Ltd, International business, Incheon, South Korea, Title not provided

Embedded Systems

Analog Devices, High Speed ADC, Greensboro, NC, Software Engineer
Apple, Cupertino, CA, Wireless QA Engineer
Chrysler Group LLC, Auburn Hills, MI, Powertrain Software Engineer
Gemalto, Arlington, VA, Software Development Engineer
Groupon, Software Development, Palo Alto, CA, Software Developer
Lit Motors, San Francisco, CA, Embedded Systems Engineer
Lutron, Allentown, PA, Senior Project Electrical Engineer
Oracle, Oracle Social Network, Redwood City, CA, Member of Technical Staff
Oracle, SPARC firmware, Santa Clara, CA, Firmware Engineer
OSiSoft, DataLink Team, San Leandro, CA, Software Engineer
Radiator Labs, New York, NY, Software Engineer
Zonoff, Malvern, PA, Software Engineer
**Integrated Product Design (MSE)**
Amuneal Manufacturing Corporation, New York, NY, Sales & Design Coordinator
Arkura, Gardena, CA, Job Captain
Asia Innovations, Beijing, China, Product Manager
Beacon & Lively, Location not provided, Jewelry Designer
City of Philadelphia, Philadelphia, PA, Communications Fellow
Deloitte, Monitor Deloitte, Beijing, China, Analyst
Gather Design Studio, Philadelphia, PA, Director of Creative Strategy
Lancaster General Health, Lancaster, PA, Ideation Design Analyst
Saucony (Wolverine Worldwide), Design, Lexington, MA, Assistant Designer, Footwear

**Materials Science and Engineering**
Amazon, Seattle, WA, Software Engineer
Customized Energy Solution, Philadelphia, PA, Analyst
Deloitte, Philadelphia, PA, Business Technology Analyst
GLOBALFOUNDRIES, Malta, NY, Process Engineer
Innova Dynamics, San Francisco, CA, Staff Scientist
Kaneka, Research and Development, Osaka, Japan, Title not provided
Oracle, Configuration & Compliance Management Group, Nashua, NH, Member of Technical Staff
ProtTech, Inc., Phoenixville, PA, Associate Scientist
Sapient(m)PHASIZE, Westport, CT, Analyst
TE Connectivity, Menlo Park, CA, Associate Scientist
United States Navy, Location Not Provided, Ensign

**Mechanical Engineering & Applied Mechanics**
A.T. Cross Company, Lincoln, RI, Product Design Engineer
A.T. Cross Company, Research and Development, Lincoln, RI, Product Design Engineer
BYD Auto, New York, NY, Project Manager
Carnegie Mellon University, Computer Science, Pittsburgh, PA, Research Staff
Chrysler Group LLC, Engine Development, Auburn Hills, MI, Engine Dynamometer Calibration Engineer
Design Circle Inc. Warminster, PA, Design Engineer
Epic Systems, Verona, WI, Software Developer
Flextronics, San Jose, CA, Automation Mechanical Engineer
GE Aviation, Product Engineering Center, West Chester, OH, Engineering Edison Development Program
Integral Group, Mechanical Group, Oakland, CA, Project Engineer
Kuwait Institute for Scientific Research (KISR), Kuwait, Title not provided
Lockheed Martin, Space Systems Company, Littleton, CO, Mechanical Engineer
P2S Engineering, Los Angeles, CA, Mechanical Design Engineer
Philadelphia Gas Works, Philadelphia, PA, Engineer 1
Sandia National Laboratories, Albuquerque, NM, R&D S&E Mechanical Engineering
Schlumberger, Location Not Provided, Field Engineer
The Boston Consulting Group, Chicago, IL, Associate
The Cadmus Group, Inc., Energy Services Division, Waltham, MA, Analyst
Transcriptic, Menlo Park, CA, Hardware Engineer
Wuhan Iron & Steel Company, Wuhan, China, Technician

**Nanotechnology**
Graphene Frontiers, Philadelphia, PA, Senior Product Development Engineer
University of Pennsylvania Health System, Department of Anesthesiology, Philadelphia, PA, Lab Technician

**Robotics**
Advanced Bionics, LLC, Research and Development, Valencia, CA, Title not provided
AeroCine, Oyster Bay, NY, Lead Roboticist
Alces Technology, Jackson Hole, WY, Computer Vision Engineer
Bresslergroup, Philadelphia, PA, Electromechanical Engineer
Floored, New York, NY, Researcher/Software Developer
HRL Laboratories, LLC, Malibu, CA, Research Staff
Intel Corporation, Location Not Provided, Technical Consultant
Microsoft, Office, Redmond, WA, Software Development Engineer
NVIDIA, Santa Clara, CA, System Software Engineer
Oracle, Redwood Shores, CA, Software Engineer
ProSeeder Technologies, Mineola, NY, Associate Product Manager
School District of Philadelphia, Curriculum & Assessment, Philadelphia, PA, Program Manager
Space Exploration Technologies, Avionics, Hawthorne, CA, Mechanical Engineer
Yaskawa Electric Corporation, Kitakyushu, Japan, Title not provided
Systems Engineering
Accenture, Systems Integration Consulting, Philadelphia, PA, Analyst
Accenture, Technology, Philadelphia, PA, Systems Integration Analyst
AIG, Operations & Systems, New York, NY, Analyst
Anthropologie, Philadelphia, PA, Customer Strategy Analyst
Centris Marketing Science, Horsham, PA, Product Architect/Developer
China Aerospace Science & Industry Corp., Century Satellite Hi-tech Co., Ltd, Beijing, China, Systems Engineer
China Development Bank, Shenzhen, China, Title not provided
China Development Bank, Beijing, China, Associate
comScore, Inc., Reston, VA, Technical Project Manager
Deloitte, Philadelphia, PA, Business Technology Analyst
Deloitte, Philadelphia, PA, Business Technology Analyst
Deloitte, Technology Consulting, Philadelphia, PA, Business Technology Analyst
Epic Systems, Verona, WI, Technical Services Analyst
Evercore Partners, Mergers & Acquisitions, New York, NY, Investment Banking Analyst
Gap, Inc., San Francisco, CA, Retail Management Program
Goldman Sachs, Technology, New York, NY, Business Analyst
High 5 Games, New York, NY, Technical Project Manager
Latinum Network, Bethesda, MD, Consulting Analyst
LinkedIn, Mountain View, CA, Business Analyst
LinkedIn, Business Leadership Program, Mountain View, CA, Analyst
Merrill Lynch, Business Intelligence, Pennington, NJ, Associate
MFR Consultants, Inc., Philadelphia, PA, Associate
MXTronics Corporation, Beijing, China, Lead Engineer
Planisware, Neshaminy, PA, Title not provided
PriceWaterhouseCoopers, Technology Consulting, McLean, VA, Technology Advisory Associate
Standard Chartered Bank, Tianjin, China, Technical Analyst
Systems Wisdom, LLC, Washington, DC, Consultant
The Children's Hospital of Philadelphia, Philadelphia, PA, Healthcare Data Analyst
University of Pennsylvania, Admissions, Philadelphia, PA, Operations Manager
XSUNT Corporation, Newtown, PA, Project Manager & Data Analyst

Telecommunications and Networking
Alcatel-Lucent, Mountain View, CA, Software QA Engineer
Amazon, Seattle, WA, Software Development Engineer
Amazon, Seattle, WA, Software Development Engineer
Amazon, Web Services, Seattle, WA, Cloud Associate Engineer
Applied Predictive Technologies, Arlington, VA, Database Analyst
Comcast/NBCUniversal, Network Engineering, Mount Laurel, NJ, Network Engineer II
Comcast/NBCUniversal, Philadelphia, PA, Software Engineer
DocASAP, New York, NY, Software Engineer
Ericsson, Vienna, VA, Title not provided
Gencore Systems, IT, Philadelphia, PA, Software Engineer
K&L Consulting Services, Fort Washington, PA, System Engineer
Pearson Education, Denver, CO, Associate Software Quality Assurance Engineer
PricewaterhouseCoopers, Security Advisory, New York, NY, Associate
University of Pennsylvania, SP2, Center for Social Impact Strategy, Philadelphia, PA, Data Scientist Consultant
Valid8.com, Inc., Woburn, MA, Software Engineer
SECTION IV - ANALYSIS OF CONTINUED STUDY

**Bioengineering**
Boston University, Boston, MA, PhD, Engineering
Boston University, Boston, MA, PhD, Engineering
Indiana University - Purdue University Indianapolis, Indianapolis, IN, PhD, Medicine
Massachusetts Institute of Technology, Cambridge, MA, PhD, Engineering
University of Southern California, Los Angeles, CA, MD, Medicine
University of Texas Southwestern Medical School, Dallas, TX, MD, Medicine
Washington University in St. Louis, St. Louis, MO, MD, Medicine

**Biotechnology**
Arizona State University, Scottsdale, AZ, MBA
Gerstner Sloan Kettering Graduate School of Biomedical Sciences, New York, NY, PhD, Science
Philadelphia College of Osteopathic Medicine, Philadelphia, PA, DO, Medicine
Stanford University, Stanford, CA, PhD, Science
University of Maryland, College Park, MD, PhD, Bioengineering
University of Pennsylvania, Philadelphia, PA, PhD, Medicine
University of Pennsylvania, Philadelphia, PA, PhD, Science

**Chemical and Biomolecular Engineering**
University of Georgia, Athens, GA, PhD, Bioengineering
University of Houston, Houston, TX, PhD, Engineering

**Computer and Information Science**
University of Pennsylvania, Philadelphia, PA, PhD, Engineering

**Computer and Information Technology (MCIT)**
University College London, London, United Kingdom, PhD, Medicine

**Electrical Engineering**
University of Pennsylvania, Philadelphia, PA, PhD, Electrical & Systems Engineering
Washington University in St. Louis, St. Louis, MO, PhD, Engineering
Yale University, New Haven, PhD, Engineering

**Integrated Product Design (MSE)**
Singapore University of Technology and Design, Singapore, PhD, Engineering Product Design

**Materials Science and Engineering**
Case Western Reserve University, Cleveland, OH, PhD, Engineering
Massachusetts Institute of Technology, Cambridge, MA, PhD, Media Arts & Sciences/Engineering
Rice University, Houston, TX, PhD, Science
The Pennsylvania State University, State College, PA, PhD, Engineering
The University of Tokyo, Japan, PhD, Engineering
University of California at San Diego, San Diego, CA, PhD, Engineering
University of Michigan, Ann Arbor, MI, PhD, Engineering
University of Pennsylvania, Philadelphia, PA, MCIT, Engineering
University of Pennsylvania, Philadelphia, PA, MSE, Computer Science
University of Pennsylvania, Philadelphia, PA, PhD, Engineering
University of Pennsylvania, Philadelphia, PA, PhD, Engineering
University of Southern California, Los Angeles, CA, PhD, Engineering
University of Washington, Seattle, WA, PhD, Engineering

**Mechanical Engineering & Applied Mechanics**
University of California at San Diego, La Jolla, CA, PhD, Engineering

**Nanotechnology**
Drexel University, Philadelphia, PA, PhD, Engineering
Massachusetts Institute of Technology, Cambridge, MA, PhD, Engineering
University of Akron, Akron, OH, PhD, Science
University of Notre Dame, South Bend, IN, PhD, Engineering
University of Pennsylvania, Philadelphia, PA, PhD, Engineering
Weill Cornell Medical College, New York, NY, PhD, Science
Robotics
Georgia Institute of Technology, Atlanta, GA, PhD, Engineering
Rutgers, The State University of New Jersey, New Brunswick, NJ, PhD, Engineering
University of Wisconsin – Madison, Madison, WI, PhD, Science

Systems Engineering
Columbia University, New York, NY, MS, Engineering
Cornell University, Ithaca, NY, PhD, Engineering
New York University, New York, NY, MS, Other
The Chinese University of Hong Kong, China, PhD, Engineering
University of Illinois at Urbana-Champaign, Champaign, IL, MS, Engineering
University of Pennsylvania, Philadelphia, PA, MSE, Computer and Information Science
University of Pennsylvania, Philadelphia, PA, PhD, Economics