SUMMER 2016 SURVEY OF RISING JUNIORS—CLASS OF 2018

OVERVIEW

Career Services surveys students at the end of the summer, seeking information about students’ summer activities. Students in the class of 2018 were “rising juniors” during Summer 2016, and 194 (43%) of 446 students completed this survey. Rising juniors may engage in a range of summer activities: taking courses; volunteering; interning in a paid or unpaid, full-time or part-time position; traveling; engaging in research on one’s own or at Penn or another institution; externing or job shadowing; or any combination of summer activities.

For the class of 2018, 90% of the respondents shared information about work experiences (summer job, internship, research, volunteer work, externship)—both full-time and part-time.

Prepared by Tiffany Franklin, Associate Director
March 2017

SUMMER 2016 PRIMARY ACTIVITY
(as reported by 192 students)

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## WORK EXPERIENCES—HOURS AND WAGES IN SUMMER 2016

<table>
<thead>
<tr>
<th></th>
<th>Full-Time Employment</th>
<th>Part-Time Employment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Respondents:</td>
<td>164</td>
<td>10</td>
</tr>
<tr>
<td>Unpaid Position:</td>
<td>8</td>
<td>2</td>
</tr>
<tr>
<td>Paid Position:</td>
<td>156</td>
<td>8</td>
</tr>
<tr>
<td>Did not report Salary:</td>
<td>24</td>
<td>0</td>
</tr>
<tr>
<td>Average Monthly Salary:</td>
<td>$3,620</td>
<td>$1,307</td>
</tr>
<tr>
<td>Monthly Salary Range:</td>
<td>$800 - $10,400</td>
<td>$800 – $2,560</td>
</tr>
<tr>
<td>Average Hours per Week:</td>
<td>43</td>
<td>20</td>
</tr>
<tr>
<td>Range of Hours per Week:</td>
<td>30-110</td>
<td>12-25</td>
</tr>
</tbody>
</table>

**Note:** In summer of 2015, the average monthly salary for full-time employment was $3,282 and it rose to $3,620 for summer 2016.

## HOW STUDENTS OBTAINED SUMMER POSITIONS IN 2016

(as reported by 158 students)

<table>
<thead>
<tr>
<th>Method</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applied directly to organization</td>
<td>44%</td>
</tr>
<tr>
<td>Contacts: family/friend/professor/other</td>
<td>25%</td>
</tr>
<tr>
<td>Career Services and Penn Sponsored Internships</td>
<td>18%</td>
</tr>
<tr>
<td>Online job/internship site (not PennLink or iNet)</td>
<td>5%</td>
</tr>
<tr>
<td>Previous employer</td>
<td>5%</td>
</tr>
<tr>
<td>Special program (i.e., SEO, Inroads, HACU)</td>
<td>3%</td>
</tr>
</tbody>
</table>

## DATE SUMMER OFFER RECEIVED IN 2016

(As reported by 154 students)

<table>
<thead>
<tr>
<th>Date</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prior to January 2016</td>
<td>22%</td>
</tr>
<tr>
<td>January 2016</td>
<td>9%</td>
</tr>
<tr>
<td>February 2016</td>
<td>18%</td>
</tr>
<tr>
<td>March 2016</td>
<td>4%</td>
</tr>
<tr>
<td>April 2016</td>
<td>10%</td>
</tr>
<tr>
<td>May 2016</td>
<td>19%</td>
</tr>
<tr>
<td>June 2016</td>
<td>18%</td>
</tr>
</tbody>
</table>
EMPLOYERS WITH MOST OFFERS ACCEPTED IN SUMMER 2016
(includes full-time and part-time positions)

<table>
<thead>
<tr>
<th>Employer</th>
<th>Offers</th>
</tr>
</thead>
<tbody>
<tr>
<td>University of Pennsylvania</td>
<td>31</td>
</tr>
<tr>
<td>Google</td>
<td>10</td>
</tr>
<tr>
<td>University of Pennsylvania Health System</td>
<td>4</td>
</tr>
<tr>
<td>JP Morgan Chase &amp; Co.</td>
<td>4</td>
</tr>
<tr>
<td>Microsoft</td>
<td>3</td>
</tr>
<tr>
<td>PricewaterhouseCoopers</td>
<td>3</td>
</tr>
<tr>
<td>Amazon</td>
<td>2</td>
</tr>
<tr>
<td>Blackstone</td>
<td>2</td>
</tr>
<tr>
<td>Bloomberg LP</td>
<td>2</td>
</tr>
<tr>
<td>Comcast/NBCUniversal</td>
<td>2</td>
</tr>
<tr>
<td>Facebook</td>
<td>2</td>
</tr>
<tr>
<td>Lockheed Martin</td>
<td>2</td>
</tr>
<tr>
<td>Redfin</td>
<td>2</td>
</tr>
<tr>
<td>SpaceX</td>
<td>2</td>
</tr>
</tbody>
</table>

LOCATION OF SUMMER POSITIONS IN 2016

The majority of the students were in the Mid-Atlantic region, which includes Pennsylvania, New Jersey, and New York. The states with the highest number of summer positions include:

<table>
<thead>
<tr>
<th>State</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pennsylvania</td>
<td>34%</td>
</tr>
<tr>
<td>California</td>
<td>20%</td>
</tr>
<tr>
<td>New York</td>
<td>13%</td>
</tr>
<tr>
<td>Washington</td>
<td>5%</td>
</tr>
<tr>
<td>New Jersey</td>
<td>4%</td>
</tr>
<tr>
<td>Delaware</td>
<td>2%</td>
</tr>
<tr>
<td>Texas</td>
<td>2%</td>
</tr>
<tr>
<td>Illinois</td>
<td>2%</td>
</tr>
<tr>
<td>Non U.S.</td>
<td>10%</td>
</tr>
<tr>
<td>All others</td>
<td>8%</td>
</tr>
</tbody>
</table>
INTERNATIONAL EXPERIENCES IN SUMMER 2016
(as reported by 56 students)

Completed classes overseas ................................................17.9%
Traveled overseas ...............................................................51.8%
Worked overseas ...............................................................30.3%

SUMMER POSITIONS BY INDUSTRY IN SUMMER 2016

SUMMER POSITIONS REPORTED BY MAJOR IN 2016
(Includes all respondents—full-time and part-time; paid and unpaid)

ENGINEERING DEGREE

Applied Science – Biomedical Science
LIU Post Youth Camp, Brookville, NY, General Counselor
National Science Foundation/Louis Stokes Alliance for Minority Participation Greater Philadelphia Summer Research Program, Philadelphia, PA, Research Assistant
University of Pennsylvania - Department of Bioengineering, Philadelphia, PA, Research Assistant
University of Pennsylvania Health System, Philadelphia, PA, Research Assistant
Applied Science – Computer Science
AQR Capital, Greenwich, CT, Summer Research Analyst
IK Investment Partners, London, United Kingdom, Intern
University of Pennsylvania - Management Department, Wharton School, Philadelphia, PA, Student Manager

Bioengineering
BioBots, Philadelphia, PA, Intern
Center for Biomedical Engineering Research, Newark, DE, Intern
Children's Hospital of Philadelphia, Philadelphia, PA, Student Assistant
Short Term Educational Experiences for Research (STEER), Philadelphia, PA, Summer Research Intern
University of Pennsylvania, Philadelphia, PA, Research Assistant
University of Pennsylvania, Philadelphia, PA, Research Assistant
University of Pennsylvania, Philadelphia, PA, Research Assistant
University of Pennsylvania - Department of Bioengineering, Philadelphia, PA, Summer Intern
University of Pennsylvania - McKay Lab for Orthopedic Surgery, Philadelphia, PA, Research Undergraduate
University of Pennsylvania Health System, Philadelphia, PA, Research Assistant
University of Pennsylvania Health System – Radiology, Philadelphia, PA, Research Assistant
Valtech Cardio, Or Yehuda, Israel, Intern
Virginia Polytechnic Institute and State University, Blacksburg, VA, Undergraduate Research Fellow

Chemical and Biomolecular Engineering
Dow Chemical Company, Baton Rouge, LA, Run Plant Engineering Intern
Inyange Industries, Kigali, Rwanda, Intern
TerraCycle Inc., Trenton, NJ, Research and Development Intern
University of Chicago, Chicago, IL, Research Assistant
University of Pennsylvania, Philadelphia, PA, Research Assistant
University of Pennsylvania, Philadelphia, PA, Research Assistant

Computer Engineering
Kazendi, London, United Kingdom, Prototype Engineering Intern
University of Pennsylvania, Philadelphia, PA, Research Assistant
Xilinx, Inc., San Jose, CA, Intern
Xilinx, Inc., San Jose, CA, CMAC/Interlaken Intern

Computer Science
Accenture GmbH, Düsseldorf, Germany, Technology Consulting Intern
Amazon Web Services, Seattle, WA, Software Development Engineering Intern
Blackstone, New York, NY, Summer Software Developer
Bloomberg L.P., New York, NY, Software Engineering Intern
Brav Conflict Management, San Francisco, CA, Game Development Engineering Intern
Dimensional Fund Advisors, Santa Monica, CA, Portfolio Management Summer Analyst
Electronic Arts, Redwood City, CA, Data Visualization Intern
Ericsson Inc., Piscataway, NJ, Software Engineering Intern
Facebook (Oculus), Menlo Park, CA, Software Engineering Intern
Google, Mountain View, CA, Engineering Practicum Intern
Lockheed Martin Aeronautics Company, Fort Worth, TX, Systems Engineer Intern
Over, Cape Town, South Africa, iOS Development Intern
Pinterest, San Francisco, CA, Software Engineer Intern
Computer Science (continued)
Qualcomm, San Diego, CA, Software Engineering Intern
Redfin, Seattle, WA, Product Manager Intern
Redfin, San Francisco, CA, Software Engineering Intern
RistCall, Philadelphia, PA, Business Development Intern
Square, San Francisco, CA, Software Engineering Intern
The Chicago Lighthouse, Chicago, IL, IT Intern
Trunk Club, Chicago, IL, Software Engineering Intern
Tumblr, New York, NY, Software Engineering Intern
Tumblr, New York, NY, iOS Core Intern
Two Sigma Investments, New York, NY, Software Engineering Intern
University of Pennsylvania, Philadelphia, PA, Research Assistant
University of Pennsylvania - Computer Science, Philadelphia, PA, Research Assistant

Digital Media Design
Adobe, San Jose, CA, Digital Imaging Intern
IBM Watson, Durham, NC, Software Engineering Intern
Sony Interactive Entertainment America, San Mateo, CA, Software Development Test Engineering Intern
Spaces, Inc., Los Angeles CA, Experience Design Intern
Textio, Seattle, WA, Software Engineering Intern
University of Pennsylvania - PURM, Philadelphia, PA, Research Assistant

Electrical Engineering
Amtrak, Philadelphia, PA, Technical Intern
Lear Corporation, Southfield, MI, Intern
Lockheed Martin, Moorestown, NJ, Network Engineer
Swift Capital, Conshohocken, PA, Business Development and Partnerships Analyst Intern

Materials Science and Engineering
Rachleff Scholars, Philadelphia, PA, Research Assistant
Saint-Gobain APAC Division Investment Ltd., Shanghai, China, Cross-Business Application IT Intern
Singh Center for Nanotechnology, Philadelphia, PA, Lab Technician
University of Pennsylvania, Philadelphia, PA, Research Assistant
University of Pennsylvania, Philadelphia, PA, Research Assistant

Mechanical Engineering and Applied Mechanics
Athos, Redwood City, CA, Mechanical Engineering Intern
BMW Group, Munich, Germany, Product Strategy Intern
Breakthrough, Austin, TX, Summer Teaching Fellow
Delta Air Lines, Atlanta, GA, SCM Intern
Fender Musical Instruments Corporation, Corona, CA, Manufacturing/Mechanical Engineering Intern
Fresh Digital Group, New York, NY, Product Designer
Haifa 3D, Haifa, Israel, 3D Design Intern
Modlab, Philadelphia, PA, Intern Researcher
Philadelphia Water Department, Philadelphia, PA, Engineering Intern
R&W Concrete, Lansdale, PA, Engineering Intern
Stylex Seating Inc., Delanco, NJ, Product Development Intern
Mechanical Engineering and Applied Mechanics (continued)
The Boeing Company, Clear Lake, TX, Structures and Mechanisms Intern
University of Pennsylvania, Philadelphia, PA, Research Assistant
University of Pennsylvania - GRASP Lab, Philadelphia, PA, Research Assistant
University of Pennsylvania - PURM, Philadelphia, PA, Research Assistant
University of Pennsylvania - Rehabilitation Robotics Laboratory, Philadelphia, PA, Research Assistant
University of Pennsylvania - Turner Group, Philadelphia, Research Assistant

Networked and Social Systems Engineering
Google, Mountain View, CA, Software Engineering Intern
Meetup, New York, NY, Core Engineer Intern
Microsoft, Redmond, WA, Software Engineering and Project Management Intern
University of Pennsylvania, Philadelphia, PA, Research Assistant
Zillow, Seattle, WA, Software Engineering Intern

Systems Science and Engineering
Broadview Networks, King of Prussia, PA, Operations Intern
Camp Tawonga, Yosemite, CA, Camp Counselor
Flytrex, Tel Aviv, Israel, Intern
Ghostery, New York, NY, Product Intern and Analyst
Goldman Properties, Philadelphia, PA, Project Assistant
Maxx Orthopedics, Plymouth Meeting, PA, Biomedical Engineering Intern
Nipponham Foods, Izmir, Turkey, Product Management Intern
Town of Hempstead, East Rockaway, NY, Lifeguard

ENGINEERING DOUBLE MAJORS

Computer Science & Cognitive Science
Google, Cambridge, MA, Software Engineering Intern
SpaceX, Hawthorne, CA, Software Engineering Intern

Computer Science & Mathematics
Bloomberg L.P., New York, NY, Software Engineering Intern

Computer Science & Systems Science and Engineering
Northwestern Mutual, Milwaukee, WI, Business Consultant

Materials Science and Engineering & Architecture

Mechanical Engineering and Applied Mechanics & Computer Science
Comcast/NBCUniversal, Sunnyvale, CA, Intern
Phosphorus, New York, NY, Engineering Intern

ENGINEERING DUAL DEGREES (BAS OR BSE/MSE)

Applied Science – Computer Science & Computer and Information Science (MSE)
JPMorgan Chase & Co., Wilmington, DE, Intern
Applied Science – Computer Science & Robotics (MSE)
Microsoft, Seattle, WA, Software Engineering Intern

Bioengineering & Bioengineering (MSE)
University of Pennsylvania – Dept. of Bioengineering, Chow Laboratory, Philadelphia, PA, Research Assistant

Bioengineering & Systems Engineering (MSE)
JP Morgan Chase & Co., Newark, DE, Summer Analyst

Chemical and Biomolecular Engineering & Chemical and Biomolecular Engineering (MSE)
ESAP, Philadelphia, PA, Residential Teaching Assistant

Chemical and Biomolecular Engineering & Materials Science and Engineering (MSE)
Rappe Group, Philadelphia, PA, Undergraduate Researcher

Chemical and Biomolecular Engineering & Systems Engineering (MSE)
SAP, Philadelphia, PA, Support Engineer Intern

Computer Engineering & Electrical Engineering (MSE)
Intel, Santa Clara, CA, Intern

Computer Engineering & Computer and Information Science (MSE)
Giant Eagle, Pittsburgh, PA, Stock Clerk
Peloton Technology, Mountain View, CA, Software Engineering Intern
VMware, Palo Alto, CA, Intern, Member of Technical Staff

Digital Media Design & Computer Graphics and Game Technology (MSE)
BioStream Technologies, LLC, Moorestown, NJ, Software Development Intern
Google, Boulder, CO, Software Engineer
USA Today, Tyson’s Corner, VA, Unity Developer

Electrical Engineering & Electrical Engineering (MSE)
JP Morgan Chase & Co., New York, NY, Summer Technology Analyst

Mechanical Engineering and Applied Mechanics & Integrated Product Design (MSE)
Tomorrow Lab, New York, NY, Mechanical Engineering Intern

Mechanical Engineering and Applied Mechanics & Mechanical Engineering & Applied Mechanics (MSE)
JP Morgan Chase & Co., Wilmington, DE, Summer Technology Analyst
South Jersey Industries, Folsom, NJ, Engineering Intern

Mechanical Engineering and Applied Mechanics & Robotics (MSE)
Google X, Mountain View, CA, Mechanical Engineering
OPEX Corporation, Moorestown, NJ, Mechanical Engineering Intern
Redwing Technologies, Fasano, Italy, Robotics Engineering Intern
SpaceX, Hawthorne, CA, Structures Engineering Intern
Tough Mudder, LLC, Brooklyn, NY, Obstacle Design Intern
University of Pennsylvania, Philadelphia, PA, Research Assistant
University of Pennsylvania, Philadelphia, PA, Research Assistant

Networked and Social Systems & Computer and Information Science (MSE)
University of Pennsylvania - Warren Center, Philadelphia, PA, Undergraduate Researcher
Systems Science and Engineering & Systems Engineering (MSE)
Chicago Trading Company, Chicago, IL, Trading Intern

ENGINEERING AND CAS DEGREES

Applied Science - Computer Science & Fine Arts
University of Pennsylvania Health Services, Philadelphia, PA, Full Stack Web and Mobile Engineer

Bioengineering & Political Science
True Ventures, San Francisco, CA, Fellow

Computer Science & Philosophy
CardConnect, King of Prussia, PA, Software Engineering Intern

Materials Science and Engineering & Physics/Astronomy
University of Pennsylvania, Philadelphia, PA, Research Assistant

Systems Science and Engineering & Political Science
PriceWaterhouseCoopers, Dubai, United Arab Emirates, Summer Intern

ENGINEERING AND WHARTON DEGREES*
[*Engineering students in the following majors are also pursuing a Wharton degree. Wharton concentrations were not declared when the survey was conducted.]

Applied Science – Computer Science & Wharton
Goldman Sachs, New York, NY, Summer Intern
University of Pennsylvania - Wharton School, Philadelphia, PA, Programmer/Research Assistant

Applied Science – Individualized & Wharton
The Glenmede Trust, Philadelphia, PA, Private Equity Summer Analyst

Bioengineering & Wharton
Oliver Wyman, Seoul, South Korea, Research Assistant
University of Pennsylvania - Leonard Davis Institute of Economics, Philadelphia, PA, Research Assistant

Computer Science & Wharton
Amazon, Seattle, WA, SDE Intern
Blackstone, New York, NY, Summer Business Analyst
Bravio Capital, Hong Kong, Summer Analyst
CB Insights, New York, NY, Tech Industry Analyst Intern
Facebook, Menlo Park, CA, Software Engineering Intern
Google, Mountain View, CA, Engineering Practicum Intern
Google, Mountain View, CA, Engineering Practicum Intern
Google, Mountain View, CA, Software Engineering Intern
Google, Mountain View, CA, Software Engineering Intern
Microsoft, Redmond, WA, Program Manager Intern
Morgan Stanley, New York, NY, Technology Summer Analyst
NextGen PMS, Bangalore, India, Product Designer Intern
Computer Engineering & Wharton
ModoPayments, San Francisco, CA, Software Developer
Palo Alto Networks, Santa Clara, CA, Intern - Product Management

Electrical Engineering & Wharton
KPMG, Bangalore, India, Intern
University of Pennsylvania – Physics, Philadelphia, PA, Summer Assistant

Mechanical Engineering and Applied Mechanics & Wharton
Google (Nest), Palo Alto, CA, Hardware Engineering Intern
U.S. House of Representatives, Washington, DC, Congressional Intern

Networked and Social Systems Engineering & Wharton
Analytics Operations Engineering, Boston, MA, Summer Analyst

Systems Science and Engineering & Wharton
Comcast/NBCUniversal, Philadelphia, PA, Business Analyst
Green Drake Advisors, Wayne, PA, Summer Intern
Moore Capital, New York, NY, Intern
PriceWaterhouseCoopers, New York, NY, Management Consulting Intern
University of Pennsylvania - Wharton School, Philadelphia, PA, Research Assistant