SUMMER 2017 SURVEY OF RISING JUNIORS—CLASS OF 2019

OVERVIEW

Career Services surveys students at the end of the summer, seeking information about students’ summer activities. Students in the class of 2019 were “rising juniors” during Summer 2017, and 221 (51%) of 431 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, at Penn or another institution; externing or job shadowing; or any combination of summer activities.

For the class of 2019, 85% of the respondents shared information about work experiences (summer job, internship, research, volunteer work, externship)—both full-time and part-time. 86% of the students working, reported receiving summer internship offers by April 2017.

Prepared by Tiffany Franklin, Associate Director
April 2018

SUMMER 2017 PRIMARY ACTIVITY
(as reported by 221 students)

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WORK EXPERIENCES—HOURS AND WAGES IN SUMMER 2017

<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>154</td>
<td>11</td>
</tr>
<tr>
<td>Unpaid Position:</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Paid Position:</td>
<td>150</td>
<td>7</td>
</tr>
<tr>
<td>Reported Salary:</td>
<td>125</td>
<td>6</td>
</tr>
<tr>
<td>Average Monthly Salary:</td>
<td>$3,487</td>
<td>$730</td>
</tr>
<tr>
<td>Monthly Salary Range:</td>
<td>$500 - $9,600</td>
<td>$378 - $1,100</td>
</tr>
<tr>
<td>Average Hours per Week:</td>
<td>43</td>
<td>18</td>
</tr>
<tr>
<td>Range of Hours per Week:</td>
<td>30-120</td>
<td>9-25</td>
</tr>
</tbody>
</table>

HOW STUDENTS OBTAINED SUMMER POSITIONS IN 2017
(as reported by 158 students)

AGGREGATE PERCENTAGE OF RESPONDENTS RECEIVING INTERNSHIP OFFERS, BY MONTH
EMPLOYERS WITH MOST OFFERS ACCEPTED IN SUMMER 2017
(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>37</td>
</tr>
<tr>
<td>Google</td>
<td>7</td>
</tr>
<tr>
<td>JP Morgan Chase &amp; Co.</td>
<td>4</td>
</tr>
<tr>
<td>Lockheed Martin</td>
<td>4</td>
</tr>
<tr>
<td>Siemens</td>
<td>3</td>
</tr>
<tr>
<td>University of Pennsylvania Health System</td>
<td>3</td>
</tr>
<tr>
<td>Amazon</td>
<td>2</td>
</tr>
<tr>
<td>Bentley Systems</td>
<td>2</td>
</tr>
<tr>
<td>Microsoft</td>
<td>2</td>
</tr>
<tr>
<td>PricewaterhouseCoopers</td>
<td>2</td>
</tr>
<tr>
<td>SAP</td>
<td>2</td>
</tr>
<tr>
<td>Slack</td>
<td>2</td>
</tr>
</tbody>
</table>

LOCATION OF SUMMER POSITIONS IN 2017

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>37%</td>
</tr>
<tr>
<td>New York</td>
<td>15%</td>
</tr>
<tr>
<td>California</td>
<td>13%</td>
</tr>
<tr>
<td>Massachusetts</td>
<td>5%</td>
</tr>
<tr>
<td>Maryland</td>
<td>3%</td>
</tr>
<tr>
<td>Texas</td>
<td>2%</td>
</tr>
<tr>
<td>Florida</td>
<td>2%</td>
</tr>
<tr>
<td>Illinois</td>
<td>2%</td>
</tr>
<tr>
<td>Non U.S.</td>
<td>12%</td>
</tr>
<tr>
<td>All others</td>
<td>9%</td>
</tr>
</tbody>
</table>
INTERNATIONAL EXPERIENCES IN SUMMER 2017
(as reported by 30 students)

Completed classes overseas ........................................... 7%
Traveled overseas .......................................................... 17%
Worked overseas ............................................................ 76%

SUMMER POSITIONS BY INDUSTRY IN SUMMER 2017
SUMMER POSITIONS REPORTED BY MAJOR IN 2017
(Includes all respondents—full-time and part-time; paid and unpaid)

ENGINEERING BAS/BSE DEGREE CANDIDATES

Applied Science – Biomedical Science
University of Pennsylvania - Department of Bioengineering, Philadelphia, Pennsylvania, Research Assistant
University of Pennsylvania Health System, Philadelphia, Pennsylvania, Research Assistant

Applied Science - Computational Biology
University of Pennsylvania, Philadelphia, Pennsylvania, Research Assistant

Applied Science – Computer Science
Birchbox, New York, New York, CRM Intern
JP Morgan Chase & Co., New York, New York, Technology Analyst Intern
Reynolds, Lake Forest, Illinois, Augmented Reality Development and Blockchain Researcher Intern
TMON, Inc., Seoul, Korea, Software Development Intern

Bioengineering
Bridge to Enter Advanced Mathematics, New York, New York, TA/Counselor
Harvard Stem Cell Institute, Boston, Massachusetts, Research Intern
LifeSensors, Malvern, Pennsylvania, Summer Intern
OcuFLOW, Inc., Baltimore, Maryland, Intern
Penn Color, Inc., Hatfield, Pennsylvania, Marketing and R&D Intern
Stryker Endoscopy, San Jose, California, Regulatory Intern
University of Pennsylvania, Philadelphia, Pennsylvania, Research Assistant
University of Pennsylvania, Philadelphia, Pennsylvania, Research Assistant
University of Pennsylvania, Philadelphia, Pennsylvania, Research Assistant
University of Pennsylvania, Center for Neuroengineering & Therapeutics, Philadelphia, Pennsylvania, Research Assistant
University of Pennsylvania, Engineering Summer Academy, Philadelphia, Pennsylvania, Residential Teaching Assistant
University of Pennsylvania, Perelman School of Medicine, Philadelphia, Pennsylvania, Research Assistant
University of Pennsylvania Health System, Philadelphia, Pennsylvania, Research Assistant
Upward Bound, Philadelphia, Pennsylvania, Math Tutor

Chemical and Biomolecular Engineering
ExxonMobil, Baytown, Texas, Global Supply Chain Intern
Grenoble INP (Institut Polytechnique de Grenoble), Grenoble, France, Research Intern
ImCare Biotech, Doylestown, Pennsylvania, Summer Intern
Mathnasium, El Paso, Texas, Instructor
Monument Chemical, Brandenburg, Kentucky, Supply Chain Intern
University of Pennsylvania, Philadelphia, Pennsylvania, Research Assistant
University of Pennsylvania, Crocker Lab, Philadelphia, Pennsylvania, Research Assistant
University of Pennsylvania, Perelman School of Medicine, Philadelphia, Pennsylvania, Research Assistant
Computer Engineering
BresslerGroup, Philadelphia, Pennsylvania, Junior Electrical Engineer
Siemens, Malvern, Pennsylvania, Intern
TM38, Philadelphia, Pennsylvania, Software Engineering Intern

Computer Science
Accenture, Jakarta, Indonesia, Summer Analyst
Atlas Guide, Seoul, Korea, Software Intern
BrickSimple, Doylestown, Pennsylvania, Intern Developer
CCC Information Services, Chicago, Illinois, Product and Technology Intern in Quality Assurance
Check Point Software Technologies, Tel Aviv, Israel, Software Engineering Intern
Estee Lauder Companies Inc., New York, New York, Data Science Intern
FireEye Inc., Charlotte, Virginia, Software Development Intern
FX Digital, London, England, Research and Development Intern
Hubl, Philadelphia, Pennsylvania, Engineer
JP Morgan Chase & Co., New York, New York, Technology Analyst Intern
Kepler Group, New York, New York, Technology & Data Services Intern
Lincoln Financial Group, Philadelphia, Pennsylvania, Applications Developer
Lockheed Martin, King of Prussia, Pennsylvania, College Tech Sr. Intern
Lockheed Martin, Littleton, Colorado, College Tech Sr. Intern
McKinsey New Ventures, New York, New York, Summer Business Analyst
Microsoft, Boston, Massachusetts, Software Developer Intern
Modsy, San Francisco, California, Business & Operations Analytics Intern
National Museum of Mathematics, New York, New York, Technology Intern
National Public Radio, Washington, DC, Mobile Development Intern
Over, Cape Town, South Africa, Software Engineering Intern
PDT Partners, LLC, New York, New York, Summer Technology Analyst
Roomi, New York, New York, Android Development Intern
SAP, Newtown Square, Pennsylvania, Hybris Consulting Intern
SAP Fieldglass, Chicago, Illinois, Product Development - Integrations Business Analyst Intern
Slack, San Francisco, California, Engineering Intern
Slack, San Francisco, California, Data Engineering Intern
Slice Capital, Palo Alto, California, Co-Founder & CEO
Trax Retail, Tel Aviv, Israel, Software/Data Analysis Intern
Two Six Capital, New York, New York, Data Scientist (Private Equity)
Ultimate Software, Ft. Lauderdale, Florida, Software Intern
University of Pennsylvania, Philadelphia, Pennsylvania, Research Assistant
University of Pennsylvania, Philadelphia, Pennsylvania, Researcher Assistant
University of Pennsylvania, GRASP Lab, Philadelphia, Pennsylvania, Research Assistant
Wealthfront, Redwood City, California, Software Engineering Intern

Digital Media Design
Chariot Transit, San Francisco, California, Product Intern
Paramount Pictures, Los Angeles, California, Intern
University of Pennsylvania, Philadelphia, Pennsylvania, Research Assistant
University of Pennsylvania, Philadelphia, Pennsylvania, Research Assistant
University of Pennsylvania, Philadelphia, Pennsylvania, Research Assistant
University of Pennsylvania, SIGLab, Philadelphia, Pennsylvania, Research Assistant
VINCI VR, Boston, Massachusetts, Co-Founder, CTO
Electrical Engineering
CPS Energy, San Antonio, Texas, Electrical Engineering Intern
Glendale Recreation Association, Newport News, Virginia, Assistant Manager
JP Morgan Chase & Co., San Francisco, California, Investment Banking Summer Analyst
Millennium, El Segundo, California, PCB and Harness Designer
The Mathworks, Natick, Massachusetts, Software Engineering Intern

Materials Science and Engineering
TIC Gums, White Marsh, Maryland, Project Management Intern
University of Pennsylvania, Philadelphia, Pennsylvania, Research Assistant
University of Pennsylvania, Philadelphia, Pennsylvania, Research Assistant
University of Pennsylvania, Philadelphia, Pennsylvania, Research Assistant

Mechanical Engineering and Applied Mechanics
Camp Airy, Thurmont, Maryland, Assistant Unit Leader
Camp Wicusuta, Hebron, New Hampshire, Camp Counselor
Gemini Bakery Equipment Company, Philadelphia, Pennsylvania, Engineering Intern
Gigamon, Santa Clara, California, Manufacturing Operations Intern
Gridless Power, Collingswood, New Jersey, Summer Intern
Quantum Theatre, Pittsburgh, Pennsylvania, Production Intern
Ryder System Inc., Miami, Florida, Finance Intern
SharkNinja, Needham, Massachusetts, Quality Engineer
Siemens AG, Berlin, Germany, Engineering Intern
University of Pennsylvania, GRASP Lab, Philadelphia, Pennsylvania, Research Assistant
University of Pennsylvania, GRASP Lab, Philadelphia, Pennsylvania, Research Assistant
University of Pennsylvania, ModLab, Philadelphia, Pennsylvania, Research Assistant
University of Pennsylvania, ModLab, Philadelphia, Pennsylvania, Research Assistant
University of Pennsylvania, Rehabilitation Robotics Laboratory, Perelman School of Medicine, Philadelphia, Pennsylvania, Research Assistant
Xometry, Gaithersburg, Maryland, Project Engineering Intern

Networked and Social Systems Engineering
Amazon, Cambridge, Massachusetts, Software Engineering Intern
Amazon, Seattle, Washington, Software Development Engineer Intern
Annaly Capital Management, New York, New York, Financial Services Intern
Capital One, New York, New York, Product Management and Analytics Intern
Consensys Systems, Brooklyn, New York, Blockchain Engineer Intern
Google, New York, New York, Software Engineering Intern
Pivotal, San Francisco, California, Software Engineering Intern
University of Pennsylvania, Engineering Summer Academy, Philadelphia, Pennsylvania, Residential Teaching Assistant
Systems Science and Engineering
Amdocs, Tel Aviv, Israel, Corporate Strategy Analyst
Bluestone Capital Management, Wayne, Pennsylvania, Summer Analyst
City of Santa Monica, Santa Monica, California, Civil Engineering Intern
Google – YouTube, San Bruno, California, Engineering Practicum Intern
INET, Bangkok, Thailand, Summer Intern
Lockheed Martin, King of Prussia, Pennsylvania, Mission Optimization Intern
Lockheed Martin, King of Prussia, Pennsylvania, Systems Engineering Intern
New Wave Loans, Miami, Florida, Summer Intern
Office of Naval Research, Philadelphia, Pennsylvania, Naval Research Intern
PwC, Managua, Nicaragua, Assurance Intern
University of Pennsylvania, Philadelphia, Pennsylvania, Research Intern

ENGINEERING CANDIDATES WITH SECOND MAJORS

Computer Science & Economics
JP Morgan Chase & Co., Wilmington, Delaware, Software Engineering Intern - Technology Analyst Program

Computer Science & Mathematics
The Alan Turing Institute, London, England, Research Assistant

Computer Science & Statistics
Bentley Systems, Philadelphia, Pennsylvania, Software Engineering Intern

Systems Science and Engineering & Economics
Barclays, New York, New York, Summer Analyst

ENGINEERING DUAL DEGREE CANDIDATES

SUBMATRICULANTS

Applied Science – Computer Science & Robotics (MSE)
Federal Reserve Bank of Cleveland, Cleveland, Ohio, Software Development Intern

Bioengineering & Bioengineering (MSE)
University of Pennsylvania, Auditory Research Lab, Philadelphia, Pennsylvania, Research Assistant

Computer Engineering & Robotics (MSE)
University of Pennsylvania, Philadelphia, Pennsylvania, Rachelle Scholars Researcher
Barrett Technology, Newton, Massachusetts, Software Engineering Intern

Computer Science & Computer and Information Science (MSE)
Bentley Systems, Philadelphia, Pennsylvania, Software Development Intern

Computer Science/Logic Information and Computation & Computer and Information Science (MSE)
Bentley Systems, Philadelphia, Pennsylvania, Software Development Intern

Digital Media Design & Robotics (MSE)
University of Pennsylvania, Philadelphia, Pennsylvania, Research Assistant
SUBMATRICULANTS (continued)

Materials Science and Engineering & Materials Science and Engineering (MSE)
University of Pennsylvania, Philadelphia, Pennsylvania, Research Assistant

Mechanical Engineering and Applied Mechanics & Mechanical Engineering & Applied Mechanics (MSE)
NASA Goddard Space Flight Center, Greenbelt, Maryland, Attitude Controls Engineering Intern

Networked and Social Systems Engineering & Data Science (MSE)
Broadsoft, Gaithersburg, Maryland, Data Science Intern, Team Leader

Systems Science and Engineering & Data Science (MSE)
Matterport, Inc., San Francisco, California, International Initiatives Intern

ENGINEERING AND CAS DUAL DEGREE CANDIDATES

Applied Science - Computer & Cognitive Science
Google, Mountain View, California, Engineering Practicum Intern
Google, Mountain View, California, Engineering Practicum Intern

Chemical and Biomolecular Engineering & Chemistry
University of Pennsylvania, Philadelphia, Pennsylvania, Research Assistant

Computer Science & Linguistics
Microsoft Corporation, Redmond, Washington, Explorer Intern
University of Pennsylvania, Philadelphia, Pennsylvania, Research Assistant

Computer Science & Mathematics
National Security Agency, Fort Meade, Maryland, Director's Summer Program Intern

Computer Science & Political Science
University of Pennsylvania, Digital Scholarship Program, Philadelphia, Pennsylvania, DevOps Intern

Electrical Engineering & Mathematics
University of Pennsylvania, Philadelphia, Pennsylvania, Research Assistant

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

ENGINEERING AND WHARTON DUAL DEGREE CANDIDATES*
[*Wharton concentrations were not necessarily declared when survey was conducted and have been omitted.]

Applied Science – Computer Science & Wharton
Balsam Brands, Redwood City, California, Business Development Analyst
Bank of America Merrill Lynch, Jersey City, New Jersey, Technology Analyst
Verizon, Philadelphia, Pennsylvania, Software Engineering Intern
Walmart Corporate Office, Mexico City, Mexico, U.S. Summer Internal Consultant
Bioengineering & Wharton
University of Pennsylvania, Philadelphia, Pennsylvania, Research Assistant
University of Pennsylvania Health System, Philadelphia, Pennsylvania, Research Assistant

Computer Science & Wharton
Arena Investors LP, New York, New York, Corporate Private Credit Intern
Coca Cola, Atlanta, Georgia, Platform Innovation Intern
Edelweiss Group, Mumbai, India, Quantitative Summer Analyst
Google, New York, New York, Technical Solutions Consultant
Innogy, Essen, Germany, Data Engineering Intern
KNB, Kuala Lumpur, Malaysia, Intern
Palantir, New York, New York, Forward Deployed Engineer Intern
PayPal, San Jose, California, Intern
Riskval Financial Solutions, New York, New York, Quantitative Developer
Siemens, Charlotte, North Carolina, Summer Software Engineering Intern
SurveyMonkey, San Mateo, California, Quality Assurance Engineering Intern
Tavour, Seattle, Washington, End-to-End Product Developer
Tourbillon Capital Partners, New York, New York, Summer Analyst
University of Pennsylvania, Philadelphia, Pennsylvania, Research Assistant
Wayfair, Boston, Massachusetts, Business Intelligence Intern
Welab Holdings, Hong Kong, China, Growth Intern
Whitman Insight Strategies, New York, New York, Intern
Yelp, Inc., San Francisco, California, Product Manager
Xignite, San Mateo, California, Software Development Intern

Computer Engineering & Wharton
Law Office of Inna Fershteyn, P.C., New York, New York, Marketing and Business Development Manager

Digital Media Design & Wharton
Google, Shanghai, China, Engineering Practicum Intern

Electrical Engineering & Wharton
Arena, New York, New York, Structured Finance Analyst
Facebook, Menlo Park, California, Data Analytics Intern
LiquidHub, Wayne, Pennsylvania, Business Strategy Intern

Mechanical Engineering and Applied Mechanics & Wharton
General Electric, Schenectady, New York, Performance Optimization Intern
Google, Mountain View, California, Mechanical Engineering Intern
Lazard, Panama City, Panama, U.S. Financial Advisory Intern
Merlin Solar, San Jose, California, Product Development Engineer
Sailo, New York, New York, Intern
Wazer, Shenzhen, China, Product Engineer

Systems Science and Engineering & Wharton
CB Insights, New York, New York, Research Analyst Intern
Glendon Todd Capital, Dallas, Texas, Summer Analyst
InterSystems Corporation, Cambridge, Massachusetts, Software Development Intern
Systems Science and Engineering & Wharton (continued)
NEU Retail LLC, Philadelphia, Pennsylvania, Operations Intern
P. Schoenfeld Asset Management, New York, New York, Summer Analyst
PwC, Amman, Jordan, Data Analyst