



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 2015, December 2015, and May 2016. Information was obtained for 439 (87.1%) of the 504 Master's candidates who received degrees.

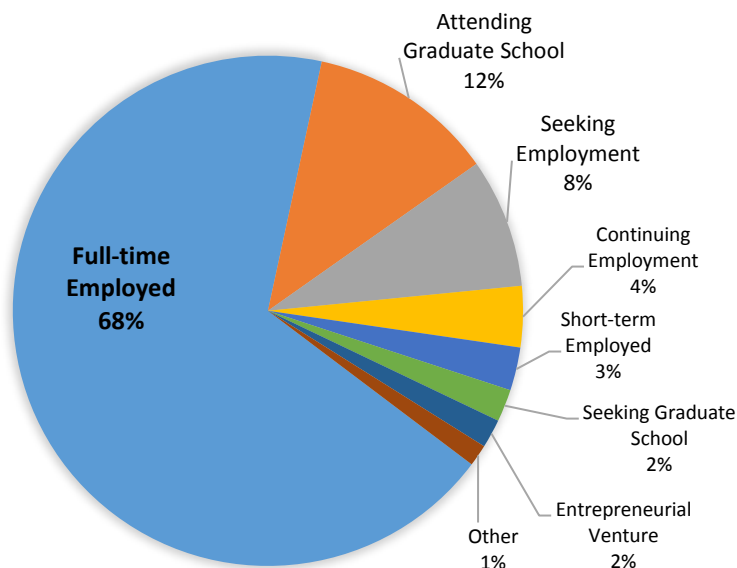
299 (68.1%) of the graduating respondents reported accepting new full-time employment. Of these, 150 reported when they received their offer, 96% of which were received before graduation. 150 full-time employed graduates also reported how they identified their opportunity, 46% of which were a direct result of Career Services-related resources and leads.

Manufacturing and technology continue to be the top employment sectors for graduates, at 64.5% combined. In all sections of this report, average salaries include respondents who indicated they were beginning full-time employment in the United States; the overall average salary reported by SEAS Master's respondents beginning full-time employment was \$93,495, an increase of 5.2% from 2015.

The percentage of Master's candidates pursuing additional studies increased 48.6% from 2015; of the 52 students committed to continued study, 63.5% were enrolling in doctoral programs, 28.8% in additional Master's level coursework (including MBA), and 5.8% in medicine (including DMD & MD/PhD Programs).

*Prepared by: Jamie Grant, Associate Director, February 2016*












## Post Graduate Plans



## SECTION I – ANALYSIS OF FULL-TIME EMPLOYED RESPONDENTS

### Top Employers

(Table includes both respondents beginning full-time employment and those continuing current employment)

Organization	Number Employed
	22
 and its subsidiaries	18
	17
	8
	7
 <i>including the High Energy Physics Instrumentation Group, Institute of Bioinformatics, Penn Law, Perelman School of Medicine and the Section of Biomedical Image Analysis</i>	6
 	5
        	3
              	2

## Date Received Offer

Of the 150 graduates sharing the date by which they received the job offer they accepted, 73.3% received their offer before January 2016, and 96% received their offer by graduation.



Date Received Offer	Percentage
Before September 2015	16.7%
September 2015 - December 2015	56.6%
January 2016 - May 2016	22.7%
June 2016 or later	4%
<i>Total</i>	<i>100%</i>

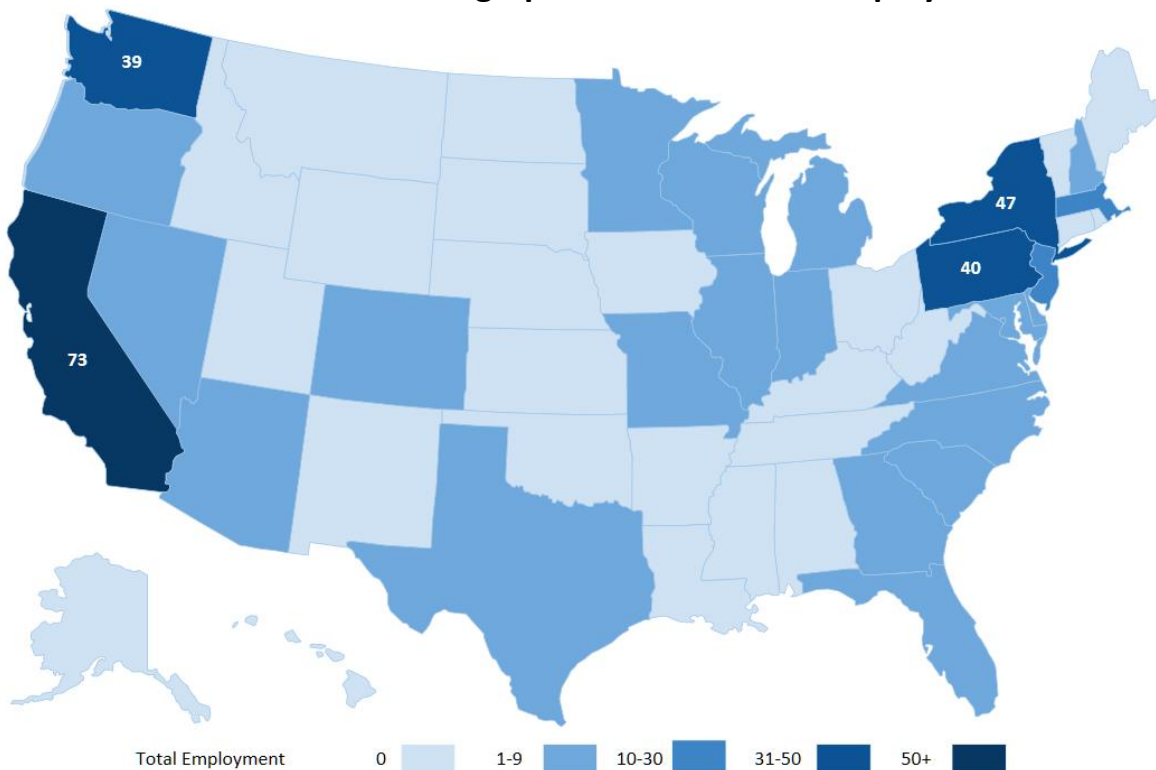
**96%**  
of Master's Candidates in  
the Class of 2016  
received their  
accepted job offer  
prior to graduation

## How Full-time Employed Respondents Received Job Offer

Full-time employed graduates most frequently cited career Services-related programs and leads (including On-Campus Recruiting, Career Fairs and PennLink job postings) as the resources by which their job offers were received, at 46%.


How Received Offer	Percentage
Applied Directly to Organization	28%
On-Campus Recruiting (OCR)*	24.7%
Previous Non-OCR Employer (summer internship not obtained through OCR, resulting in full-time offer)	12.7%
Previous OCR* (summer internship obtained through OCR, resulting in full-time offer)	12.7%
Other Career Services Leads*	8.6%
Family/Friends/Contacts	8.6%
Other	2.7%
Department Contact	2%
<i>Total</i>	<i>100%</i>

## Geographic Distribution of Employment



\*Outside the United States (22 total):  
China (10), Argentina (1), Ecuador (1), Hong Kong (1), Israel (1), Japan (1), Republic of Korea (1), Singapore (2), Taiwan (3), United Arab Emirates (1)

## Range and Average Number of Interviews per Employed Graduate

	<b>Range</b>	<b>Average</b>	
On-Campus Recruiting (OCR) Interviews	1 - 15	3.4	
Interviews Resulting from Career Services Leads (Career Fairs, Job Postings, PennLink)	1 - 20	3.8	
Interviews on His or Her Own	1 - 50	4.5	
<hr/>			
<i>All Types of Interviews, Combined</i>	<i>1 - 65</i>	<i>6.6</i>	

## Range and Average Number of Job Offers Received per Employed Graduate

	<b>Range</b>	<b>Average</b>
On-Campus Recruiting Offers	1 - 4	1.6
Career Services Offers (Career Day, Email Postings, PennLink)	1 - 8	1.6
Offers from Sources other than OCR and Career Services	1 - 8	1.6
<hr/>		
<i>All Types of Offers, Combined</i>	<i>1 - 14</i>	<i>2.0</i>



## SECTION II - ANALYSIS OF SALARIES REPORTED BY FULL-TIME EMPLOYED RESPONDENTS

### Overall Salary & Additional Compensation

136 (45.5%) of the 299 candidates reporting acceptance of new, full-time employment in the United States in 2016 included information on their salaries. The overall salary range for 2016 was \$30,000 - \$200,000, with the average being \$93,495 (an increase of 5.2% from 2015). 81 graduates reported receiving sign-on bonuses, averaging \$15,681; Relocation assistance was reported by 79 graduates, averaging \$6,853.

### Salary by Graduate Program (primary)

Academic Program (Number of Respondents)	Average	Range
Bioengineering (10)	\$67,200	\$44,000 - \$78,000
Biotechnology (MBiotech) (5)	\$67,648	\$32,240 - \$85,000
Chemical & Biomolecular Engineering (1)	*	*
Computer & Information Science (44)	\$107,364	\$82,000 - \$200,000
Computer & Information Technology (MCIT) (19)	\$105,053	\$81,000 - \$140,000
Computer Graphics & Game Technology (6)	\$100,500	\$60,000 - \$115,000
Electrical Engineering (6)	\$92,066	\$55,000 - \$118,000
Embedded Systems (6)	\$111,333	\$100,000 - \$130,000
Integrated Product Design (0)	*	*
Materials Science & Engineering (2)	*	*
Mechanical Engineering & Applied Mech. (17)	\$81,042	\$30,000 - \$120,000
Nanotechnology (0)	*	*
Robotics (7)	\$87,143	\$68,000 - \$120,000
Systems Engineering (13)	\$72,077	\$50,000 - \$91,500
<b>Overall (136)</b>	<b>\$93,495</b>	<b>\$30,000 - \$200,000</b>

### Salary by Industry

Industry (Number of Respondents)	Average	Range
Communications: Media/Entertainment (2)	*	*
Consulting (15)	\$73,900	\$55,000 - \$85,000
Education: Higher Ed. Research Labs/Centers (4)	\$52,060	\$32,240 - \$77,000
Energy/Natural Resources/Utilities (2)	*	*
Financial Services (12)	\$95,542	\$60,000 - \$200,000
Government: Federal (3)	\$53,333	\$30,000 - \$75,000
Hospitality/Leisure/Sports (1)	*	*
Manufacturing: Aerospace (3)	\$76,667	\$72,000 - \$80,000
Manufacturing: Automotive (2)	*	*
Manufacturing: Biomedical/Pharmaceuticals (6)	\$73,252	\$65,000 - \$83,512
Manufacturing: Chemicals/Gases (1)	*	*
Manufacturing: Comp. Products/Hardware (3)	\$100,667	\$90,000 - \$110,000
Manufacturing: Consumer Products (1)	*	*
Manufacturing: Electronics/Robotics (7)	\$82,714	\$68,000 - \$130,000
Manufacturing: Other (1)	*	*
<b>All Manufacturing (24)</b>	<b>\$82,017</b>	<b>* - \$130,000</b>
Other Fields (2)	*	*
Retail/Wholesale (1)	*	*
Technology (70)	\$107,136	\$65,000 - \$165,000

\*Salary/Salaries not reported to maintain confidentiality, where there are two or fewer responses

## Salary by Job Type

Job Type (Number of Respondents)	Average	Range
Consulting: Management/Strategy (8)	\$75,188	\$70,000 - \$85,000
Consulting: Research (1)	*	*
Consulting: Technology/Information Systems (3)	\$75,333	\$73,000 - \$78,500
<b>All Consulting (12)</b>	<b>\$73,542</b>	<b>* - \$85,000</b>
Data Science: Data Analyst (1)	*	*
Engineering: Design (8)	\$89,713	\$63,200 - \$130,000
Engineering: Manufacturing/Production (5)	\$74,000	\$65,100 - \$95,000
Engineering: Quality Assurance (2)	*	*
Engineering: Research & Development (6)	\$81,318	\$72,000 - \$102,000
Engineering: Systems (4)	\$99,750	\$64,000 - \$120,000
Engineering: Project Management (2)	*	*
<b>All Engineering (27)</b>	<b>\$84,726</b>	<b>* - \$130,000</b>
Finance: Investment Banking Analyst (3)	\$76,667	\$60,000 - \$90,000
Government: Military Personnel (2)	*	*
Healthcare: Clinical Research (2)	*	*
Information Technology: Product Designer (1)	*	*
Information Technology: Program Manager (3)	\$105,667	\$105,000 - \$106,000
Information Technology: Software Developer/Engineer (72)	\$105,569	\$55,000 - \$200,000
Information Technology: Technical Director (1)	*	*
Information Technology: Technology Analyst (6)	\$85,167	\$75,000 - \$105,000
Information Technology: Web Designer/Developer (1)	*	*
<b>All Information Technology (84)</b>	<b>\$103,738</b>	<b>\$55,000 - \$200,000</b>
Management/Administration: Operations (1)	*	*
Other (2)	*	*
Scientific Research: Biomedical (2)	*	*

*\*Salary/Salaries not reported to maintain confidentiality, where there are two or fewer responses*

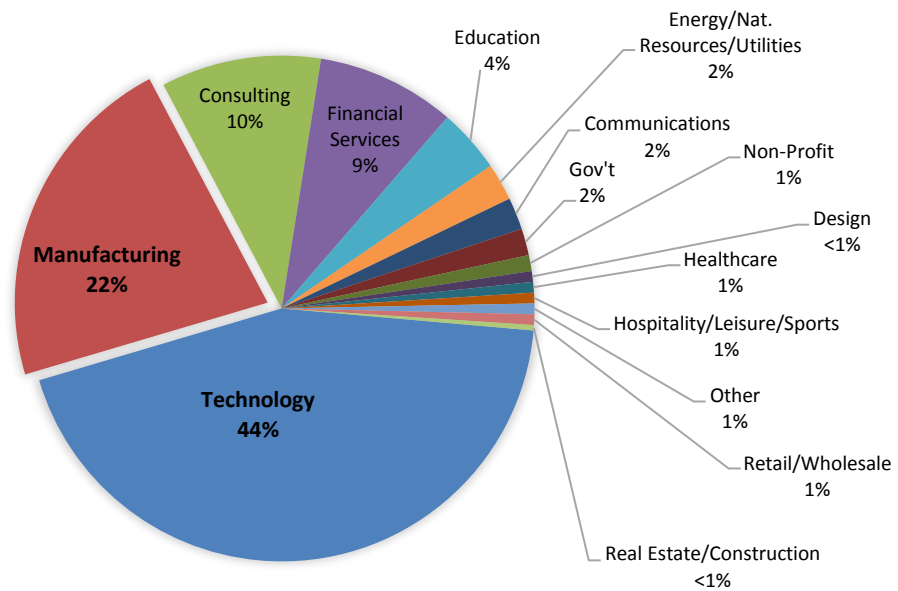
## SECTION III - ANALYSIS OF FULL-TIME EMPLOYMENT

### Includes Full-time Employed Respondents, With and Without Salaries

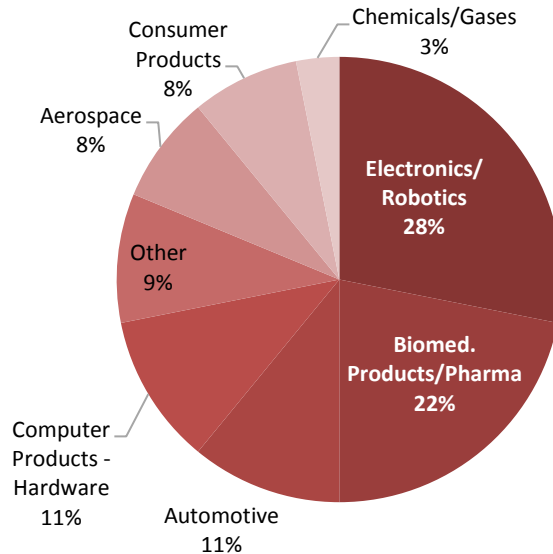
Industry	Number Employed
Technology	129
Manufacturing	64
Consulting	30
Financial Services	26
Education	12
Energy/Natural Resources/Utilities	7
Communications	6
Government	5

Industry	Number Employed
Non-Profit	3
Design	2
Healthcare	2
Hospitality/Leisure/Sports	2
Other	2
Retail/Wholesale	2
Real Estate/Construction	1

**Full-time Employment by Industry**  
*With Manufacturing Subchart*



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

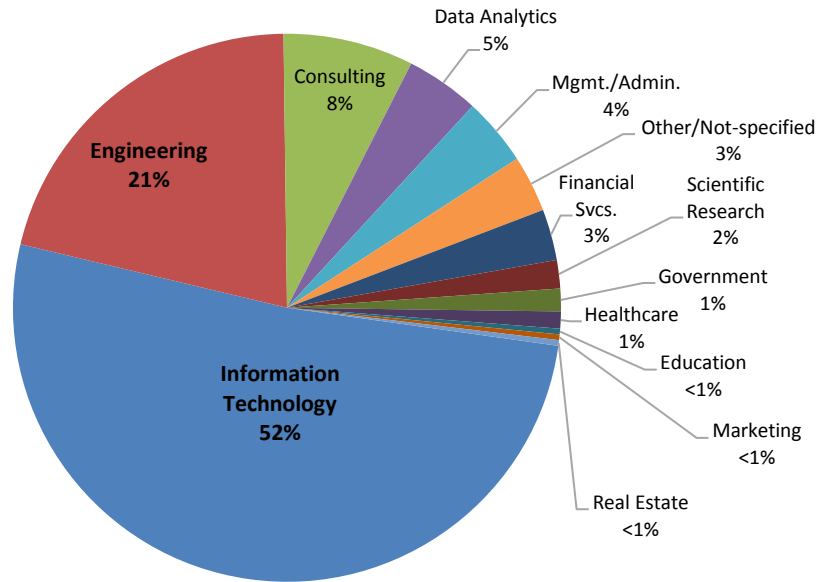


## Full-time Employment by Job Type

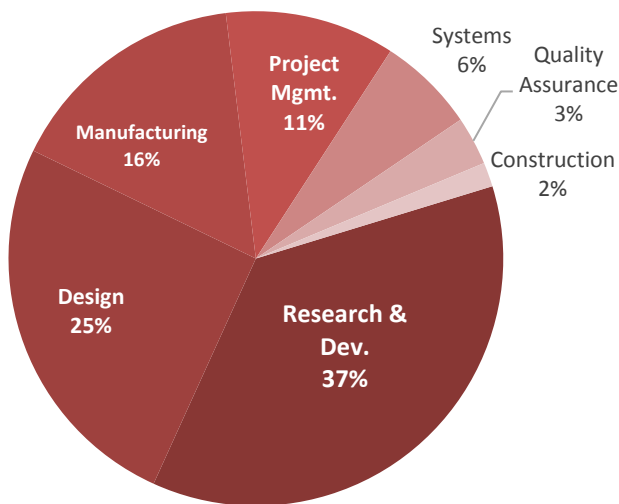
Job Type	Number
Information Technology	154
Engineering	63
Consulting	23
Scientific Research	5
Financial Services	9
Marketing	1
Other/Not-specified	10

Job Type	Number
Management/Administration	12
Education	1
Data Analytics	13
Government	4
Healthcare	3
Real Estate	1

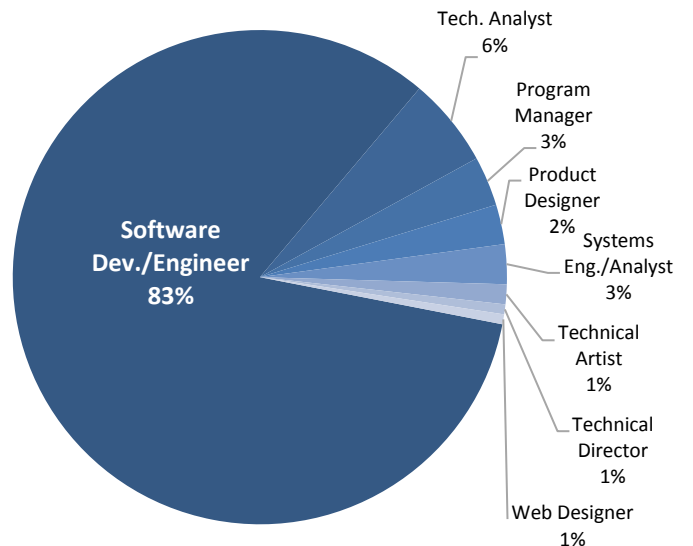
## Full-time Employment by Job Type With Engineering and Information Technology Subcharts



### Full-time Employment by Job Type: Engineering



### Full-time Employment by Job Type: Information Technology





## Full-time Employment by Program of Study

### Bioengineering

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1010data, New York, NY, *Analyst*  
Core Human Factors, Inc., Bala Cynwyd, PA, *Research Associate*  
Epic, Verona, WI, *Technical Services*  
Epic, Verona, WI, *Technical Services*  
GlaxoSmithKline GmbH, King of Prussia, PA, *Bench Scientist I*  
Global Prior Art, Boston, MA, *Associate, Medical Devices*  
Laurimed, LLC, Redwood City, CA, *Research and Development Engineer*  
PricewaterhouseCoopers, New York, NY, *Associate*  
Putnam Associates, Boston, MA, *Associate Consultant*  
Regeneron, Tarrytown, NY, *Research Associate II, Therapeutic Proteins*  
Smiths Medical, Minneapolis, MN, *Engineer 1, Advanced Manufacturing Engineering*  
Tessella, Boston, MA, *Junior Analyst, Life Sciences*  
The Broad Institute, Boston, MA, *Associate Computational Biologist, Cancer Program*  
The Wistar Institute, Philadelphia, PA, *Research Assistant, Cancer Therapy*  
University of Pennsylvania, Perelman School of Medicine, Philadelphia, PA, *Research Engineer*  
University of Pennsylvania, Section of Biomedical Image Analysis, Philadelphia, PA, *Data Analyst*

### Biotechnology

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American Express, New York, NY, *Senior Business Analyst*  
BluePrint Research Group, New York, NY, *Associate*  
Booz Allen Hamilton, Arlington, VA, *Strategic Business Development Professional*  
Decision Resources Group, Yardley, PA, *Associate Consultant, Global Consulting Services*  
EXL, Jersey City, NJ, *Assistant Manager, Analytics*  
GEP Worldwide, Clark, NJ, *Associate Consultant*  
IMS Health, Horsham, PA, *Analyst*  
ImStem Biotechnology, Inc., Newport Beach, CA, *Administrative Assistant*  
Memorial Sloan Kettering Cancer Center, New York, NY, *Research Technician*  
Merck & Co., West Point, PA, *Bioprocess Scientist, Bioprocess Research & Development*  
Novo Nordisk, Clayton, NC, *Product Supply Graduate Student*  
Regeneron, Tarrytown, NY, *Process Development Engineer*  
Sanofi-Aventis, Wuhan, China, *Clinical Database Analyst*  
The Johns Hopkins University School of Medicine, Baltimore, MD, *(Clinical) Research Prog. Coordinator, Dept. of Otorhinolaryngology*  
The New York Stem Cell Foundation, New York, NY, *Research Associate II*

### Chemical and Biomolecular Engineering

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Brooks Instrument, Hatfield, PA, *Management Associate/Engineer*  
CE&IC, Burlington, NJ, *Process Engineer*  
Evonik Industries, Parsippany, NJ, *International Professional Rotational Enrichment Program*  
RegDesk, Philadelphia, PA, *Regulatory Affairs Analyst*  
Sinopec USA, Inc., Houston, TX, *Contract Administrator*

### Computer and Information Science

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Airbnb, San Francisco, CA, *Software Developer*  
Airbnb, San Francisco, CA, *Software Engineer*  
Amazon, New York, NY, *Software Engineer*  
Amazon, Seattle, WA, *Software Developer*  
Amazon, Seattle, WA, *Software Development Engineer*  
Amazon, Seattle, WA, *Software Development Engineer*  
Amazon, Seattle, WA, *Software Development Engineer*  
Amazon, Seattle, WA, *Software Development Engineer, AWS*  
Amazon, Seattle, WA, *Software Development Engineer, AWS*  
Amazon, Seattle, WA, *Software Development Engineer, International Expansion*

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## Computer and Information Science (continued)

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Appboy, New York, NY, *Software Engineer*  
Audible.com, Cambridge, MA, *Software Engineer*  
Bank of America, Hopewell, NJ, *Technology Analyst*  
Bank of America, Jersey City, NJ, *Technology Associate, U.S. Trust*  
Bloomberg LP, New York, NY, *Software Engineer*  
campusTVs, Boston, MA, *Software Engineer*  
Comcast, Philadelphia, PA, *Software Engineer, Core Application Platforms*  
Concur, Bellevue, WA, *Software Design Engineer II*  
Concur, Bellevue, WA, *Software Design Engineer II*  
Emergent Payments, Palo Alto, CA, *Front-End Developer*  
Facebook, Menlo Park, CA, *Software Engineer*  
Gencore, San Francisco, CA, *Software Engineer*  
Goldman Sachs, NJ, *Technology Analyst*  
Goldman Sachs, Jersey City, NJ, *Technology Analyst*  
Goldman Sachs, Jersey City, NJ, *Technology Analyst, Infrastructure*  
Goldman Sachs, New York, NY, *Technology Analyst*  
Goldman Sachs, New York, NY, *Technology Analyst, Enterprise Platforms*  
Google, Mountain View, CA, *Software Developer*  
Google, Mountain View, CA, *Software Engineer*  
Google, Mountain View, CA, *Software Engineer*  
Google, Mountain View, CA, *Software Engineering Resident*  
Google, New York, NY, *Software Engineer*  
Google, New York, NY, *Software Engineer*  
Government of Israel, Judea, Israel, *CTO, Research Team Leader and Deputy Department Head*  
Igneous, Seattle, WA, *Developer*  
Intel Corporation, Hillsboro, OR, *Software Quality Engineer, Big Data*  
Microsoft, Redmond, CA, *Software Engineer*  
Microsoft, Redmond, WA, *Software Developer*  
Microsoft, Redmond, WA, *Software Development Engineer*  
Microsoft, Redmond, WA, *Software Development Engineer*  
Microsoft, Redmond, WA, *Software Development Engineer*  
Microsoft, Redmond, WA, *Software Development Engineer*  
Microsoft, Redmond, WA, *Software Development Engineer*  
Microsoft, Redmond, WA, *Software Development Engineer, Azure*  
Microsoft, Redmond, WA, *Software Development Engineer, Operating Systems Core*  
Microsoft, Seattle, WA, *Software Development Engineer, Windows*  
Microsoft, Redmond, WA, *Software Development Engineer*  
MongoDB, Inc., New York, NY, *Software Engineer*  
Morgan Stanley, New York, NY, *Java Developer, Technology Risk and Infrastructure*  
Nutritionix, Washington, DC, *Software Developer*  
Oracle, Redwood Shores, CA, *Software Developer 2, Public Cloud Platform Team*  
Oracle, Austin, TX, *Software Developer, Solaris Platform Software*  
Palantir Technologies, New York, NY, *Forward Deployed Engineer*  
Performance Star, Santa Clara, CA, *Software Engineer*  
SAP America, Inc., Palo Alto, CA, *Software Engineer*  
Square, San Francisco, CA, *Software Engineer*  
Synack, Inc., Redwood City, CA, *Software Engineer*  
The Emmes Corporation, Rockville, MD, *Software Developer*  
Two Sigma Investments, New York, NY, *Software Engineer*  
Uber Technologies, San Francisco, CA, *Software Engineer, Growth*  
Wayfair, Boston, MA, *Software Developer*  
Wayfair, Boston, MA, *Software Engineer*  
Wayfair, Boston, MA, *Software Engineer*  
Wells Fargo, San Francisco, CA, *QA Automation Engineer*

## **Computer & Information Technology (MCIT)**

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1stdibs, New York, NY, *Software Engineer*  
6sense, San Francisco, CA, *Software Engineer*  
Amazon, Location Not Disclosed, *Software Development Engineer*  
Amazon, Santa Monica, CA, *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 Development Engineer, International Technology*  
AppFolio, Inc., Santa Barbara, CA, *Software Engineer*  
Arable Labs, Princeton, NJ, *Software Engineer*  
Comcast, Philadelphia, PA, *Engineer II, Engineering Operations*  
Comcast, Philadelphia, PA, *Software Engineer*  
Facebook, San Francisco, CA, *Software Developer*  
Goldman Sachs, Jersey City, NJ, *Technology Analyst*  
Google, Mountain View, CA, *Associate Product Manager*  
Google, Mountain View, CA, *Engineering Residency Program*  
Google, Mountain View, CA, *Software Engineer*  
Google, Mountain View, CA, *Software Engineer*  
Google, Mountain View, CA, *Software Engineer*  
Google, San Bruno, CA, *Software Engineer*  
Google, San Francisco, CA, *Software Engineer*  
Google, New York, NY, *Software Engineer*  
Google, New York, NY, *Software Engineer*  
Google, New York, NY, *Software Engineer*  
J.P. Morgan Chase & Co., Newark, DE, *Applications Developer*  
Microsoft, Redmond, WA, *Program Manager, Azure*  
Microsoft, Redmond, WA, *Software Development Engineer, Cloud & Enterprise*  
Oracle, Redwood, CA, *Software Engineer, Public Cloud*  
Oracle, New York, NY, *Software Developer*  
QUYIYUAN.COM, Shanghai, China, *Product Manager, Web*  
SAP America, Inc., Mountain View, CA, *Software Developer*  
Singapore Workforce Development Corporation, Singapore, *Manager, Strategic Planning*  
The Mathworks, Natick, MA, *Application Support Engineer*  
University of Pennsylvania Institute of Bioinformatics, Philadelphia, PA, *Data Science Navigator*  
University of Pennsylvania Law School, Philadelphia, PA, *Research Fellow, Center for Technology, Innovation and Competition*

## **Computer Graphics and Game Technology**

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Accenture, New York, NY, *Digital Analyst*  
Anda Exhibition Inc., Beijing, China, *General Manager Assistant*  
Blizzard Entertainment, Irvine, CA, *Associate Software Engineer*  
Facebook, Menlo Park, CA, *Software Engineer*  
Gitstar, San Francisco, CA, *Software Engineer*  
Microsoft, Location Not Provided, *Software Developer*  
Microsoft, Redmond, WA, *Software Development Engineer*  
Microsoft, Redmond, WA, *Software Development Engineer, Azure*  
Microsoft, Seattle, WA, *Program Manager*  
NetEase Games, Hangzhou, China, *Game Designer*  
Pixar Animation Studios, Emeryville, CA, *Software Engineer*  
Schell Games, Pittsburgh, PA, *Game Engineer*  
Tencent, Shenzhen, China, *Game Designer*  
Walt Disney Animation Studios, Burbank, CA, *Technical Director*

## **Electrical Engineering**

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Amazon, Seattle, WA, *Software Development Engineer, Alexa*  
Beijing Electric Power Company, Beijing, China, *Engineer*  
Clarity Solution Group, Location Not Disclosed, *Associate Consultant*  
Comcast, Mount Laurel, NJ, *Network Engineer II, CRAN*  
eBay, San Jose, CA, *Software Engineer*  
Ford Motor Company, Detroit, MI, *Product Development Engineer, Powertrain Controls, Calibration, Noise, Vibration and Harshness*  
Grakon, Seattle, WA, *Electrical Engineer*  
Intercontinental Exchange, Chicago, IL, *System Analyst*  
JRI America, Inc., New York, NY, *Junior Software Developer*  
LG Electronics, Seoul, Republic of Korea, *Researcher, Electrical Engineering*  
Lilu, Inc., Philadelphia, PA, *Chief Technology Officer*  
Microsoft, Redmond, WA, *Software Development Engineer*  
Nvidia Corporation, Santa Clara, CA, *Physical Design Engineer, ASIC Design Group*  
Oracle, Redwood City, CA, *Software Engineer, Solaris Network*  
Oracle, Santa Clara, CA, *Software Engineer*  
Qualcomm, Location Not Disclosed, *Data Protocol Stack Development Software Engineer*  
Supermicro, San Jose, CA, *System Engineer*  
Taser International, Scottsdale, AZ, *Electrical Engineer*  
The Pennsylvania State University, Warminster, PA, *Research and Development Engineer, Applied Research Laboratory*  
TrackR, Santa Barbara, CA, *Lead Hardware Engineer*  
TRUECar, Inc., Santa Monica, CA, *Data Engineer*  
United States Navy, Charleston, SC, *Engineering Officer, Nuclear Engineering*  
University of Pennsylvania, Philadelphia, PA, *Research Assistant, High Energy Physics Instrumentation Group*  
Wound Healing Solutions, Barrington, NJ, *Data Scientist*  
Xilinx, San Jose, CA, *Foundry Engineer (Yield Analysis and Automation)*

## **Embedded Systems**

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Amazon, Seattle, WA, *Software Development Engineer*  
Appian Corporation, Reston, VA, *Software Engineer*  
Bentley Systems, Exton, PA, *Software Engineer*  
Boeing, Ridley Park, PA, *Software Engineer 2*  
General Motors, Detroit, MI, *Software Engineer*  
Microsoft, Redmond, WA, *Software Development Engineer*  
Microsoft, Seattle, WA, *Software Development Engineer, Application Services*  
Microsoft, Seattle, WA, *Software Development Engineer, Cloud and Enterprise*  
Oracle, Redwood City, CA, *Member of Technical Staff*  
Taser International, Seattle, WA, *Embedded Software Developer*  
Taser International, Seattle, WA, *Software Engineer, Embedded Devices*  
Tula Technology, Inc., San Jose, CA, *Embedded Software Engineer*  
VLNcomm, Charlottesville, VA, *Embedded Software Engineer*

## **Integrated Product Design**

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Alturas, Inc., Raleigh-Durham, NC, *IT Director*  
Comcast, Philadelphia, PA, *Interaction Designer, Device*  
Espol, Guayaquil, Ecuador, *Teacher, Product Design*  
Fahrenheit 212, New York, NY, *Commercial Strategy Analyst*  
Google, Boulder, CO, *Interaction Designer*  
Haluwasa, Inc., Hammonton, NJ, *Assistant Program Director*  
InterContinental Hotels Group, Atlanta, GA, *Manager, Web Strategy - Product Management*  
Lilu, Inc., Philadelphia, PA, *Co-Founder/Y Combinator Fellow*  
Oliver, Brooklyn, NY, *Head of Product and Research*  
OXO, New York, NY, *Product Manager*  
Prism Digital Health, Los Angeles, CA, *Product Manager*

## **Materials Science and Engineering**

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Boeing, St. Louis, MO, *Composites Engineer*  
Hermes-Microvision, Inc., San Jose, CA, *Application Engineer*  
Holtec International, Marlton, NJ, *Adjunct Project Manager*  
Hughes Communications, Gaithersburg, MD, *Materials Engineer*  
National (Military) Service, Taiwan  
Northwest Counseling Service, Philadelphia, PA, *Data Processor/Analyst*  
Safran Aerospace, Rochester, NH, *Process Engineer*  
TSMC, Hsinchu, Taiwan, *RD Engineer*

## **Mechanical Engineering & Applied Mechanics**

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Amgen Inc., Thousand Oaks, CA, *Engineer, Discovery Technologies*  
Apple, Inc., Cupertino, CA, *Software Developer, Special Projects Group*  
BorgWarner, Inc., Detroit, MI, *Advanced Product Engineer, Transmission Group*  
Club OS, Philadelphia, PA, *Junior Software Engineer*  
Exyn Technologies, Philadelphia, PA, *Robotics/ Mechatronics Engineer*  
Foxconn, Cupertino, CA, *JDM Mechanical Engineer*  
Gamesa, Treviso, PA, *Mechanical Engineer, Field Service & Engineering*  
Hilti, Shanghai, China, *Management Associate*  
HP Inc., Palo Alto, CA, *Research Engineer, HP Labs*  
Hyperloop One, Los Angeles, CA, *Design Engineer, Automation and Manufacturing Group*  
Infratek Solutions, LLC, Princeton Junction, NJ, *Mechanical Engineer*  
Johnson & Johnson, New York, NY, *Health Care Solutions Lead, Global Strategic Design Office*  
L-3 Communications, Camden, NJ, *Mechanical Engineering Member*  
Lockheed Martin, Redondo Beach, CA, *Propulsion Engineer*  
Merry Electronics Co., Ltd., Santa Clara, CA, *Application Engineer*  
Morgan Stanley, New York, NY, *Analyst, Bank Resource Management*  
Morgan Stanley, New York, NY, *Technology Analyst, Tech & Data*  
Nihon Kohden Innovation Center, Boston, MA, *Mechanical Designer*  
Noria Technologies, Philadelphia, PA, *Mechanical Engineer*  
Omron Adept Technologies, San Ramon, CA, *Mobile Robots Application Development Engineer*  
Oracle, Redwood City, CA, *Member of Technical Staff*  
PepsiCo, Mountaintop, PA, *Supply Chain Operations Associate*  
Powervision Robot, Inc., Location Not Provided, *R&D Product Development Engineer*  
Schlumberger, TX, *Field Engineer*  
SolarCity, Westborough, MA, *PV Designer II*  
Stereo Display, Inc., Anaheim, CA, *Research Engineer*  
SunP Biotech, Philadelphia, PA, *Mechanical Engineer*  
Tesla Motors, Palo Alto, CA, *Manufacturing Equipment Engineer*  
The Charles Stark Draper Laboratory, Inc., Cambridge, MA, *Systems Engineer, Guidance, Navigation & Control*  
Transcriptic, Menlo Park, CA, *Member of Technical Staff, Hardware*  
United States Department of Veterans Affairs, Pittsburgh, PA, *Fellow*  
United States Navy, San Diego, CA, *Nuclear Engineering Submarine Officer*  
Xometry, Gaithersburg, MD, *Project Manager*

## **Nanotechnology**

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Goldman Sachs, New York, NY, *Analyst*  
GraphWear Technologies Inc., Philadelphia, PA, *Co-Founder*  
Lockheed Martin, Cherry Hill, NJ, *Research Scientist, Advanced Technology Labs*  
PAREXEL, Taipei City, Taiwan, *Clinical Database Programmer I*  
SAP America, Inc., Newtown Square, PA, *Support Engineer*  
Scuba Probe Technologies, San Francisco, CA, *Process Engineer*  
Shell, Singapore, *Graduate Program Trainee - Market Analyst, Shell Aviation*

## Robotics

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Amazon, Location Not Disclosed, *Software Development Engineer*  
Amazon Robotics, Boston, MA, *Software Development Engineer*  
Beckman Coulter, Indianapolis, IN, *Software Developer II*  
Caterpillar, Inc., Location Not Disclosed, *Robotics Engineer*  
Cruise Automation, Inc., San Francisco, CA, *Software Engineer*  
Delphi, Pittsburgh, PA, *Automated Driving R&D Engineer*  
Duro UAS, New York, NY, *Chief Technology Officer*  
HERE, Chicago, IL, *Senior Engineer, Highly Automated Driving (HAD)*  
Honeywell, Fort Washington, PA, *Software Engineer*  
Houston Mechatronics, Inc., Webster, TX, *Robotics Engineer*  
Maidbot, Inc., Ithaca, NY, *Robotics Software Developer*  
Microsoft, Seattle, WA, *Program Manager, Azure*  
Navisens, San Francisco, CA, *Research Engineer*  
NBCUniversal, New York, NY, *Data Engineer, Analytics Technology*  
Robotic Research, LLC, Gaithersburg, MD, *Junior Engineer*  
Space Exploration Technologies (SpaceX), Hawthorne, CA, *Structures Engineer, Vehicle Engineering*  
The Data Incubator, Washington, DC, *Data Science Fellow*  
Transcriptic, Menlo Park, CA, *Member of Technical Staff*  
University of Pennsylvania, Philadelphia, PA, *Sr. Application Developer*

## Systems Engineering

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Accenture, Philadelphia, PA, *Management Consulting Analyst*  
Bank of America Merrill Lynch, Charlotte, NC, *Quantitative Management Associate*  
Bayview Asset Management, Miami, FL, *Financial Analyst, Portfolio Management*  
Bloomberg LP, New York, NY, *Software Engineer*  
Caesars Entertainment Corporation, Las Vegas, NV, *Analytic I*  
Capital One, New York, NY, *Business Analyst, Commercial Banking*  
China Merchants Bank, New York, NY, *Financial Analyst*  
Coady Diemar Partners, New York, NY, *Investment Banking Analyst*  
Deloitte, San Francisco, CA, *Business Technology Analyst*  
Deloitte, New York, NY, *Business Technology Analyst*  
Deloitte, New York, NY, *Business Technology Analyst*  
Deloitte, New York, NY, *Business Analyst, Human Capital*  
Deloitte, Philadelphia, PA, *Business Technology Analyst*  
Dow Chemical, Shanghai, China, *Supply Chain Rotation Program*  
DRW, New York, NY, *Trading Analyst*  
Evercore, New York, NY, *Investment Banking Analyst*  
Graphiq, Inc., Santa Barbara, CA, *Senior Project Manager*  
HighPoint Solutions, Norriton, PA, *Associate Consultant*  
Hong Kong University of Science and Technology, Hong Kong, *Researcher*  
Indeed.com, New York, NY, *Business Intelligence Analyst*  
Indeed.com, Austin, TX, *Business Intelligence Analyst*  
Indeed.com, Austin, TX, *Online Marketing Analyst*  
Investment Bank, Shenzhen, China, *Analyst, IBD*  
J.P. Morgan Chase & Co., Location not provided, *Application Developer*  
JRI America, Inc., New York, NY, *Assistant Vice President, Information Security*  
Lockheed Martin, Moorestown, NJ, *Strategic Planning and Business Development (Engineering Leadership Development Program)*  
McKinsey & Co., Buenos Aires, Argentina, *Associate*  
McKinsey & Co., Summit, NJ, *Business Analyst*  
Mitsubishi Electric Corporation, Kamakura, Japan, *Software Engineer, Information Systems*  
NetEase Games, Guangzhou, China, *Game Designer*  
Oliver Wyman, San Francisco, CA, *Management Consultant*  
PricewaterhouseCoopers, Philadelphia, PA, *Associate, Forensic Technology Solutions*  
PricewaterhouseCoopers, UAE, *Deals Advisory - Corporate Finance*  
Tesla Motors, Palo Alto, CA, *Engineer - Vehicle Engineering, Closures*  
University of Texas at Austin, Austin, TX, *Programmer*  
Walmart, San Bruno, CA, *Item Set-up Specialist, Global E-Commerce*

## SECTION IV - ANALYSIS OF CONTINUED STUDY

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### **Bioengineering**

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ETH Zurich, Zurich, Switzerland, PhD, *Electrical Engineering*  
Icahn School of Medicine at Mount Sinai, New York, NY, MD/PhD  
Ludwig-Maximilians-Universität München, Munich, Germany, PhD, *Neuroscience*  
School Not Disclosed, PhD  
University of Cambridge, Cambridge, United Kingdom, M.Phil., *Technology Policy*  
University of Pennsylvania, Philadelphia, PA, DMD, *Dentistry*  
University of Pennsylvania, Philadelphia, PA, PhD, *Bioengineering*  
University of Pennsylvania, Philadelphia, PA, PhD, *Bioengineering*

### **Biotechnology**

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Boston University, Boston, MA, PhD, *Biomedical Engineering*  
Icahn School of Medicine at Mount Sinai, New York, NY, PhD, *Biological Sciences - Microbiology*  
New York University, New York, NY, MBA  
Stony Brook University, Stony Brook, NY, PhD, *Biomedical Engineering*  
Thomas Jefferson University, Philadelphia, PA, PhD, *Immunology and Microbial Pathogenesis*  
University of Miami, Miller School of Medicine, Miami, FL, PhD, *Cancer Biology and Molecular Pharmacology*  
University of Pennsylvania, Philadelphia, PA, PhD, *Cell and Molecular Biology - Gene Therapy and Vaccines*  
University of Pennsylvania, Philadelphia, PA, MCIT, *Computer Science*  
University of Pennsylvania, Philadelphia, PA, PhD  
University of Pennsylvania, Philadelphia, PA, PhD, *Cell and Molecular Biology*  
University of Rochester, Rochester, NY, PhD, *Biology*  
University of Texas, Southwestern, Dallas, TX, MD/PhD (MSTP), *Medical Scientist Training Program*

### **Chemical and Biomolecular Engineering**

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University of Houston, Houston, TX, PhD, *Chemical Engineering*

### **Computer and Information Science**

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Technical University of Munich, Munich, Germany, PhD, *Computer Science*

### **Computer and Information Technology**

---

University of California at Los Angeles, Los Angeles, CA, PhD, *Biomedical Engineering*  
University of Pennsylvania, Philadelphia, PA, MSE, *Computer and Information Science*  
University of Pennsylvania, Philadelphia, PA, MSE  
University of Pennsylvania, Philadelphia, PA, MSE, *Robotics*

### **Electrical Engineering**

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

### **Integrated Product Design**

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Rutgers University, New Brunswick, NJ, PhD, *Communications*

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## **Materials Science and Engineering**

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Dartmouth College, Hanover, NH, PhD, *Engineering*  
Northeastern University, Boston, MA, PhD, *Electrical Engineering*  
Seoul National University, Seoul, South Korea, PhD  
University of California at Los Angeles, Los Angeles, CA, PhD, *Physical Chemistry*  
University of California at San Diego, San Diego, CA, PhD, *Engineering*  
University of Pennsylvania, Philadelphia, PA, MCIT, *Computer and Information Technology*  
University of Pennsylvania, Philadelphia, PA, MCIT, *Computer and Information Technology*  
University of Pennsylvania, Philadelphia, PA, PhD, *Bioengineering*  
University of Pennsylvania, Philadelphia, PA, MSE, *Bioengineering*  
University of Pennsylvania, Philadelphia, PA, MS, *Scientific Computing*  
University of Pennsylvania, Philadelphia, PA, PhD, *Physics & Astronomy*  
University of Pennsylvania, Philadelphia, PA, MSE, *Systems Engineering*  
University of Pennsylvania, Philadelphia, PA, MCIT, *Computer Science*

## **Mechanical Engineering & Applied Mechanics**

---

Columbia University, New York, NY, MS, *Operations Research*  
University of Pennsylvania, Philadelphia, PA, PhD, *Mechanical Engineering and Applied Mechanics*  
University of Pennsylvania, Philadelphia, PA, MB, *Biotechnology*

## **Nanotechnology**

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Arizona State University, Phoenix, AZ, PhD, *Electrical Engineering*  
University of Pennsylvania, Philadelphia, PA, PhD, *Engineering*

## **Robotics**

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Harvard University, Cambridge, MA, PhD, *Computer Science*  
Massachusetts Institute of Technology, Mediated Matter Lab, Cambridge, MA, MS, *Robotics*  
University of Maryland, College Park, MD, PhD, *Computer Science*  
University of Pennsylvania, Philadelphia, PA, PhD, *Computer and Information Science*  
University of Pennsylvania, Philadelphia, PA, PhD, *Electrical and Systems Engineering*