

**Penn
Engineering**
UNIVERSITY of PENNSYLVANIA

Online
Education

CAREER OUTCOMES REPORT

School of Engineering & Applied Science,
Online Master's Degree Candidates

NOVEMBER 2024





Methodology

Career Services at the University of Pennsylvania annually surveys graduating students to provide a snapshot of their post-graduation plans. This is the fourth complete report of the Master of Computer and Information Technology Online program, which looks at 448 graduates who received their degrees between August 2023 and May 2024.

As of November 18, 2024, the survey has produced a 53% response rate. Additional information was collected via LinkedIn and other sources, bringing the knowledge rate up to 90%, a total of 402 known graduate outcomes.

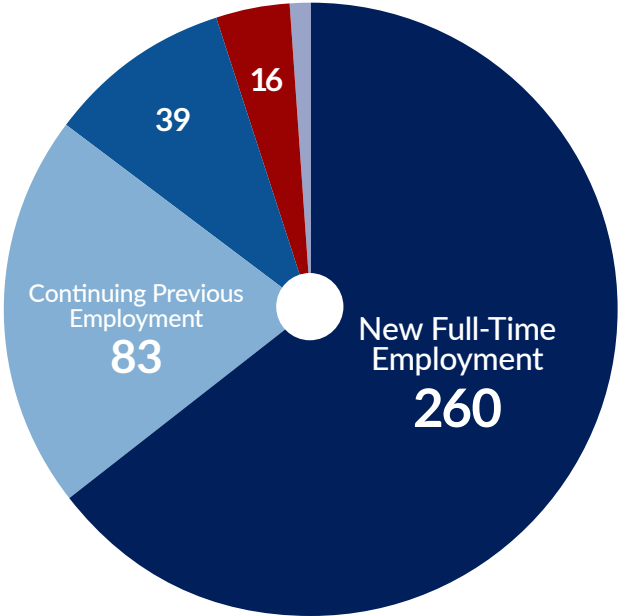
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Post-Graduation Plans

(402 known outcomes)

89% of graduates with a known outcome were working full time or continuing their education after graduation.



- Actively Seeking Employment: 39
- Continuing Education: 16
- Other: 4



New Employment Data

The following information reflects the experiences of students who reported finding new employment during or less than 6 months after completing the MCIT Online degree. This data excludes respondents who are continuing their employment in the same position with the same employer as when they started the MCIT Online program.

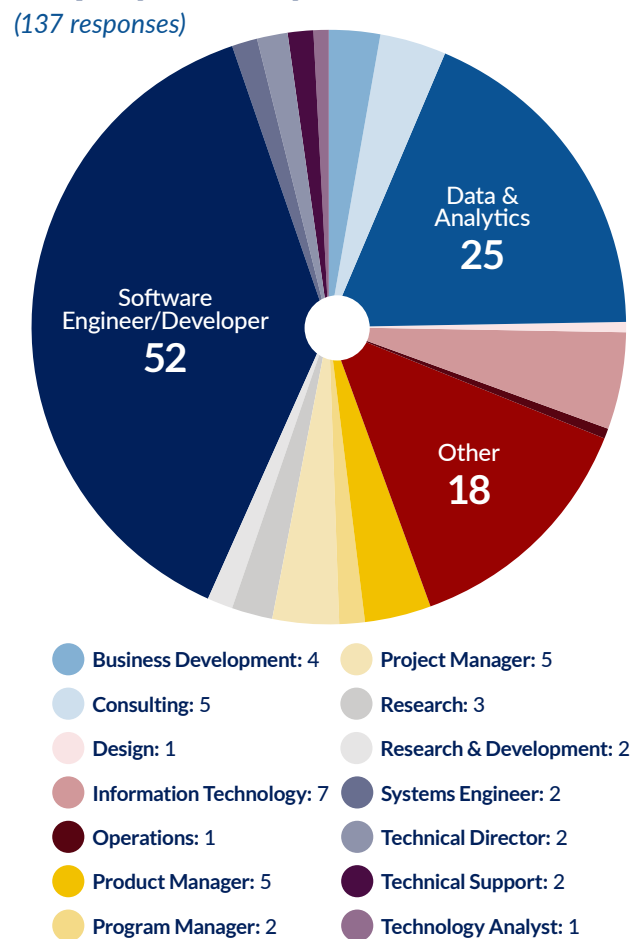
Top employers and number of respondents working at said company:

11	7	5	5
5	4	4	4
3	3	2	2 JPMORGAN CHASE & Co.
2	2 McKinsey & Company	2 Petasus LLC (startup)	2
			2 Tensor Halo Inc. (startup)

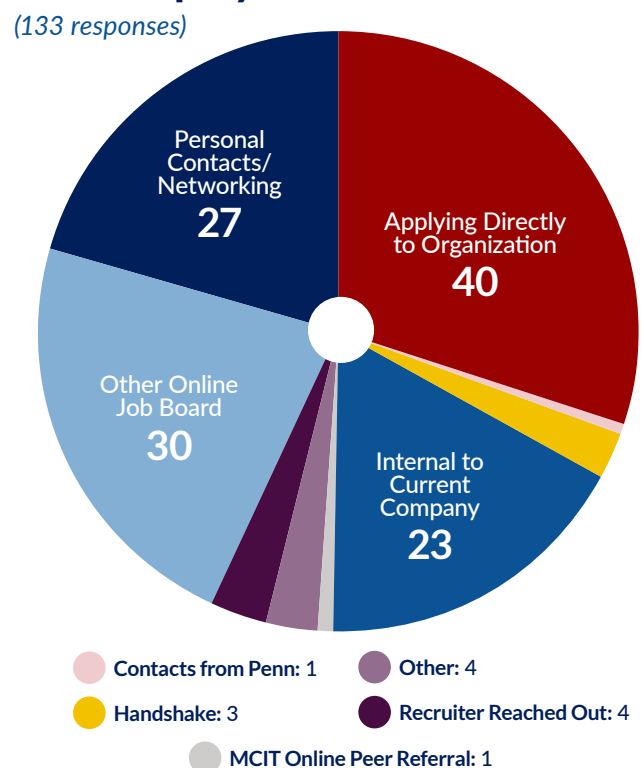
Employment by Industry *(135 responses)*

INDUSTRY	NUMBER EMPLOYED
Accounting	1
Aerospace	4
Automotive	2
Computer Products: Hardware	3
Consulting: Non-Profit / Government	1
Consulting: Other	3
Education: Elementary / Secondary Education	1
Education: Higher Education - Non-Research	2
Energy / Natural Resources / Utilities	2
Engineering	6
Financial Services: Diversified	11
Financial Services: Hedge Fund	5
Financial Services: Investment Banking / Brokerage	6
Financial Services: Investment Management / Counsel	4
Financial Services: Venture Capital	1
Government: Federal Government	4
Government: Other	2
Healthcare: Hospital	1
Insurance	4
Legal Services	2
Manufacturing	3
Media / Journalism / Entertainment	2
Nonprofit: Public Interest / Advocacy	2
Other	6
Pharmaceutical / Biotechnology	7
Publishing / Printing	1
Real Estate / Construction	4
Retail / Wholesale	2
Sports / Hospitality / Food Service	1
Technology	41
Transportation	1

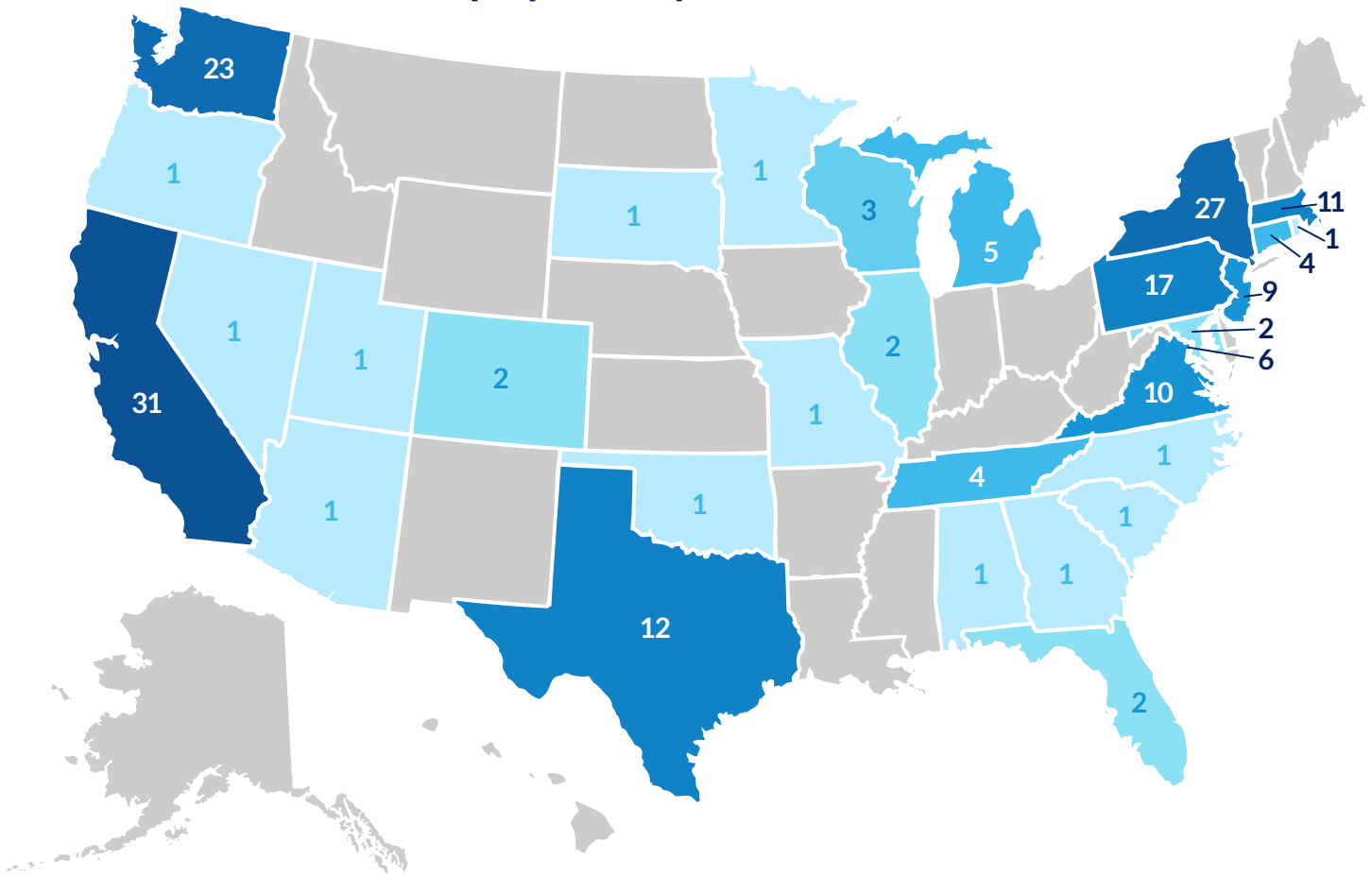
Employment by Job Function *(137 responses)*



New Employment: Job Offer Source *(133 responses)*



Employment by Location: USA

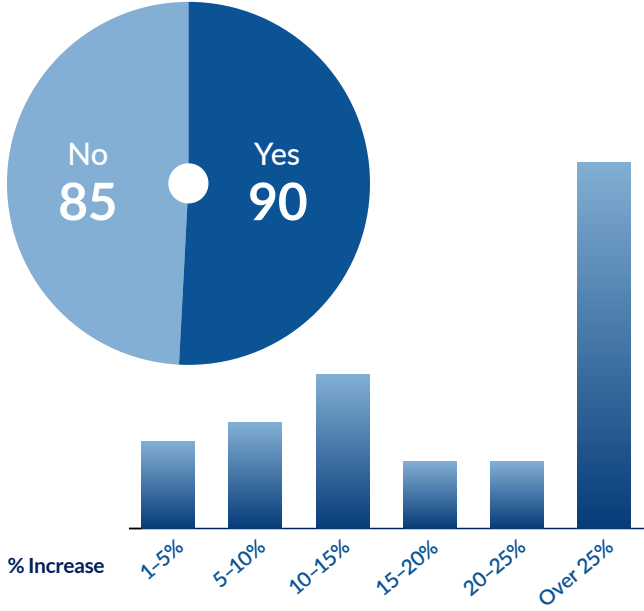


Employment by Location: International

Australia	2	Japan	1
Canada	14	Mexico	2
China	8	Netherlands	1
Costa Rica	1	New Zealand	1
France	1	Norway	1
Germany	4	Poland	1
Hong Kong	2	Singapore	3
India	2	South Korea	2
Indonesia	1	Thailand	1
Ireland	1	United Arab Emirates	1
Italy	1	Uganda	1
		United Kingdom	3



Did your salary increase after completing the Penn Engineering Online program either within your current role or with a new position? (175 responses)



New Employment: Salary Data

The following salary data reflects graduates employed full-time in the U.S. who shared that they found new employment since graduating from MCIT Online. (111 responses)

AVERAGE

\$141,648

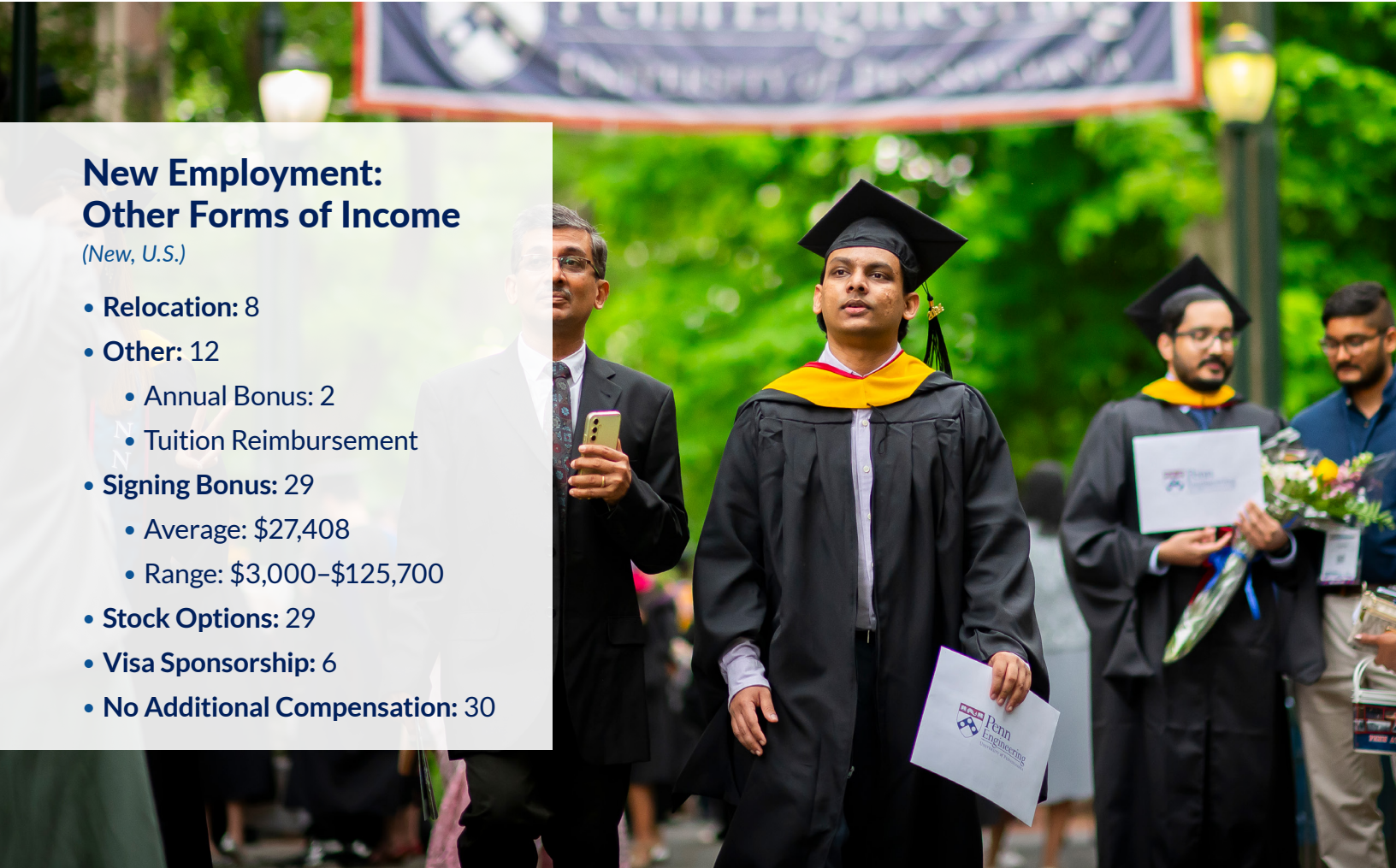
RANGE

\$50,000
to
\$450,000

New Employment: Other Forms of Income

(New, U.S.)

- Relocation: 8
- Other: 12
 - Annual Bonus: 2
 - Tuition Reimbursement
- Signing Bonus: 29
 - Average: \$27,408
 - Range: \$3,000-\$125,700
- Stock Options: 29
- Visa Sponsorship: 6
- No Additional Compensation: 30





New Employment: Salaries by Job Function *(new, U.S.)*

JOB FUNCTION	REPORTING	AVERAGE	RANGE (low)	RANGE (high)
Consulting	3	\$90,000	\$80,000	\$105,000
Data and Analytics	20	\$157,825	\$70,000	\$450,000
Information Technology	4	\$207,500	\$88,000	\$400,000
Other	9	\$175,333	\$60,000	\$400,000
Product Management	3	\$204,500	\$110,000	\$291,500
Project Management	4	\$136,250	\$80,000	\$220,000
Software Engineer / Developer	39	\$126,205	\$50,000	\$300,000

Fewer than 3 reported salaries not published to maintain confidentiality.

New Employment: Salaries by Job Industry *(new, U.S.)*

INDUSTRY	REPORTING	AVERAGE	RANGE (low)	RANGE (high)
Aerospace	3	\$128,333	\$87,000	\$178,000
Computer Products: Hardware	3	\$166,667	\$100,000	\$250,000
Consulting: Other	3	\$112,423	\$80,000	\$147,270
Engineering	5	\$102,800	\$80,000	\$137,000
Financial Services: Diversified	6	\$115,000	\$55,000	\$150,000
Financial Services: Hedge Fund	3	\$291,667	\$200,000	\$400,000
Financial Services: Investment Banking / Brokerage	3	\$133,333	\$90,000	\$170,000
Government: Federal Government	3	\$112,667	\$108,000	\$120,000
Other	6	\$107,333	\$80,000	\$150,000
Pharmaceuticals / Biotechnology	7	\$108,571	\$50,000	\$180,000
Technology	29	\$171,741	\$60,000	\$450,000

Fewer than 3 reported salaries not published to maintain confidentiality.



Continuing Education

- ETH Zürich, Certificate of Advanced Studies, Computer Science
- Harvard University, MPP/MUP dual degree
- UCL, PhD, Chemistry
- UCSF/UC Berkeley, PhD, Bioengineering
- University of Edinburgh, PhD, Management Science and Business Economics
- University of Notre Dame, PhD, Analytics
- University of Pennsylvania, Master of Science in Engineering, Data Science (7)
- University of Toronto, PhD, Computational Biology

EMPLOYERS & JOB TITLES

1Day Sooner , Hepatitis C Lead	Ansys , Software Engineer
22nd Century Technologies , Software Engineer	Apogee Enterprises, Inc. , Controller
Abbott , Senior Software Engineer, Cloud	ArentFox Schiff , Patent Agent
AbbVie , Principal Research Scientist I	Arkose , Operations Lead
Acumen , Associate Research Manager	ASC , VP PSYCHOMETRICS
Adobe , Senior Analytics Engineer	Association of American Medical Colleges , Senior Research and Data Analyst
Advanced Micro Devices , Sr Software Engineer	AstraZeneca , Senior Business Analyst
Aetna , Senior Data Scientist	Astreya , Software Developer
Aetna CVS Health , Data Scientist	AT&T , Software Engineer
AF Code , Data Scientist	Atila Biosystems , Software Engineer
Affirm , Senior SWE	BAE Systems , Software Engineer
AgriSompo North America , Software Developer II	Bank of New York Mellon , Sr. Infrastructure Operations Analyst
Ahoovam Consulting DWC , General Manager	Bendigo and Adelaide Bank , Senior Software Engineer
Alight Solutions , Data Scientist	Biel Crystal , Director
Alliance for Sustainable Energy , IT Specialist – Software Developer	BlackRock , Investment Analyst
Amazon , Hardware Development Engineer	BMW , Product Owner Digitization Purchasing
Amazon , Machine Learning Engineer II	Boeing , Software Developer
Amazon , Senior Financial Analyst	Brevan Howard , Portfolio Manager
Amazon , Software Development Engineer	Bryant University , Director, Budgets and Financial Planning
Amazon , Software Development Engineer	C3.ai , AI Solutions Director
Amazon , Software Development Engineer	Caesars Entertainment , Data Engineer
Amazon , Software Development Engineer	Caesars Sportsbook & Casino , Senior Software Engineer
Amazon , Software Development Engineer	Canada Life , Director Financial Risk
Amazon , Software Development Engineer	Capital One , Associate Software Engineer
Amazon , Software Development Engineer	Capital One , Associate Software Engineer (TDP)
Amazon , Software Development Engineer II	Capital One , Senior Manager- Architecture Strategy and Governance
Amazon Web Services , Account Manager	Capital One , Senior Software Engineer
Amazon Web Services , Senior Product Manager – Technical	Capital One , Software Engineer
Amazon Web Services , Senior Solutions Architect	Centro , Co-founder
Amazon Web Services , Sr. Product Manager Technical	Charles Schwab , Analytics Senior Manager
American Express , Agile Champion	Chubb , Site Reliability Engineer
Amsted Digital Solutions , Machine Learning Engineer	Citadel , Virtualization Engineer
Andreessen Horowitz , Fund Strategy Partner	

EMPLOYERS & JOB TITLES

Clever Real Estate , Data Engineer	FreeWheel , Global Architect
Cloudera , Partner Solutions Engineer	FTL Labs Corporation , Software Engineer
Clutch , Senior Financial Analyst	GalenusRx, Inc. , Software Engineer I
Cogito Finance , Co-Founder & CEO	Genentech , Digital Engagement Manager
Comcast , Software Engineer	General Motors , Senior Controls Design Engineer
Conifer Point Pharmaceuticals , Software Engineer	Georgetown University , Senior Research Analyst
Credit Suisse , VP Investment Banking	Georgian , ML Research/Engineer
CVS Health , Data Engineer	GlaxoSmithKline , Senior Data Engineer
Daimler Truck North America , Software Developer	Google , Account Executive
Danone , Digital Product Manager	Google , Backend Development Engineer
Databricks , Associate Product Manager	Google , Cloud Data Architect
Daxwell , Software Developer	Google , Software Engineer
Dell Technologies , Software Engineer	Google , Software Engineer
Deloitte , Data Analyst	Google , Software Engineer
Deloitte , Manager	Google , Software Engineer
Deloitte , Tax Manager	GreatFrontEnd , Head of Growth and Operations
Delta County School District , Technology Teacher	Green Mountain , Sr. Technical Support Specialist
DEMATIC , Software Engineer	Hilton , Analyst
Deutsche Bank , Associate, Corporate Investment Solutions US	Infegy - Consumer Intelligence , Lead Analyst
Dexlabs , Software Engineer	Ingersoll Rand Inc. , Finance Manager
Dropbox , Product Manager	ION Group , Software Engineer
D-Wave , Senior Technical Advisor	iwerk , Software Engineer
Empire Life , Process Improvement Leader	Jilin University , Associate Professor, College of Veterinary Medicine
Epic , Server Systems Engineer	Johns Hopkins University Applied Physics Laboratory , Associate Professional Staff I
Epic , Server Systems Engineer	JPMorganChase , Data Scientist
Epic , Software Developer	JPMorganChase , Executive Director & Head of Data for Digital Products
EY , FSO Tax Senior	Jump Trading LLC , System Application Developer
EY , Senior Analyst	Kai Shing Management Services Limited , Analyst Programmer
FedEx , Data Science Fellow	Kforce Inc. , Senior Digital Program Manager
Fedi BTC , Head of Developer and Product Support	Konica Minolta Business Solutions U.S.A., Inc. , Named Account Executive
FINRA , SDET	Latham & Watkins LLP , Partner
Flex , Senior Software Engineer	
Fraunhofer Institute , Research Development Software Engineer	

EMPLOYERS & JOB TITLES

Lengow, Software Developer

Leonardo, Senior Diagnostic & Predictive Services Engineer

LexisNexis Risk Solutions, Senior Data Scientist

Liberty Mutual, Software Engineer

Lockheed Martin, L3 Engineer – Operations Data Science

Lockheed Martin, Software Engineer

Marathon Petroleum, Instrumentation Engineer

Marquis Book Printing, Business Analyst

Mathematica, Lead Data Analytics Developer

McKinsey & Company, Associate Partner

McKinsey & Company, Consultant

Merck, Principal Scientist, Biostatistics

Meta, Design and Engineering Manager

Meta, Senior Data Scientist

Meta, Senior Data Scientist, ML Tech Lead

Meta, Software Engineer

Metlife, Associate Director

Microsoft, Product Manager

Microsoft, Senior Data & Applied Scientist – Data Intelligence & AI

Microsoft, Senior Program Manager

Microsoft, Senior Program Manager

Microsoft, Technical Product Manager

Ministry of Trade and Industry, Deputy Director

Morgan Stanley, XVA Strat

Movement Labs, Protocol Engineer

National Social Security Fund, Manager – Fixed Income

NBCUniversal, Senior Software Engineer

nCino, Inc., Associate Software Engineer

Netflix, Data Scientist

National Institutes of Health, Scientist

Novo Nordisk, MMX Data Analyst

Nuro, Sr. Strategy & Business Operations Manager

NYS Office of Information Technology Services, Software Developer

Oceanering, Project Manager

Old Mission Capital, Quantitative Trader

Omo, Co-Founder

Optima Integration Group, Financing Director

Oracle, Software Engineer

OWL Pod, Physician

Palantir, Software Engineer

Panopto, Salesforce Administrator

Patients Know Best, Head of Product and Statistics

Petasus LLC, e-Commerce Business Co-Founder

Petasus LLC, e-Commerce Business Co-Founder

Pfizer, Software Engineer

Phoenix Bioinformatics, Software Engineer

PNC Bank, Software Engineer II

Pricesmart, Financial Reporting Manager

Pros, DS

PUMA, Head of eCommerce Thailand

PwC, Software Engineer

Reddit, Manager, Strategy and Analytics

Reddit, Software Engineer

Relativity, Software Engineer

Repro India Ltd, Senior GM - Products

RTX, Analytics Engineer

RWS Group, Senior Project Manager

Salesforce, Director, Product Management

Sanofi, Distinguished Scientist

Schusterman Foundation, Manager IT

SciTic, Inc., Staff Software Engineer

SeaMoney, Senior Associate, Risk Data Analytics

Searchlight Pictures, Assistant Editor

SentinelOne, Senior Software Engineer

Shinhancard, Senior Associate

SiriusXM, Software Engineer III

EMPLOYERS & JOB TITLES

Sixth Street, Investor	TOMRA, Lead Data Scientist
SK Telecom, Manager (Tech R&D)	Transit Ventures, Senior Data Scientist
Snap Inc., Data Scientist	TrialSpark, Operation Strategy & Analytics
Sparrow, Associate Software Engineer	TruLab, Jr. Software Engineer
StackAdapt, Data Scientist	Trulioo, Solutions Consultant
State Farm, Software Engineer	Truora Inc., Software Engineer
State Street, Digital Transformation Specialist	UiPath, Director, Professional Services
STMicroelectronics, Supply Chain Business Analysis Manager	University of Otago, Teaching Assistant
Sumitomo Pharma America, Senior Data Engineer	University of Pennsylvania, Bioinformatics Scientist
SymphonyAI, Data Scientist	University of Pennsylvania, Data Analyst, Assistant Director of IT, Data Manager
Tensor Halo Inc., Co-Founder & Market Data Analyst	University of Pennsylvania, IT Project Lead
Tensor Halo Inc., Market Data Analyst Lead	University of Pennsylvania, Postdoc
TeraDAR, Lead FPGA Engineer	US Air Force, Application Developer
Tesla, Senior Controls Engineer	Vanguard, Application Engineer
Texas Department of Transportation, Data Analyst	Vetsource, Software Engineer
The Boeing Company, Data Scientist	VIATechnik, Senior Software Project Manager
The D.E. Shaw Group, Senior Associate, Private Markets Strategy & Development	Voltera Power, Director of Accounting
Thorne HealthTech, Chief Technology Officer	Walmart, Staff Product Manager- Tech
Thumbtack, Senior Data Scientist	Walmart Global Tech, Software Engineer
TikTok, Senior Growth Strategist & Data Analyst	Wells Fargo, Software Developer
TikTok, Senior Product Leader	Western Digital, Staff Engineer, R&D Engineering
TikTok, Software Engineer	Windstream, Software Engineer II
TikTok, Software Engineer	Wonder, Manager, Inventory Analytics
TikTok, Strategy & Analytics	YipitData, Software Engineer I
Tiny Ghost Studios, Marketing, Strategy & Operations	Zou & Luo Future Lifestyle Co. Ltd., Entrepreneur
T-Mobile, Software Engineer	ZS, AI Engineering Lead

