

What Can I Do With a Major in Computer Science?



Below is a list of job titles, employers and graduate schools that Harvey Mudd College computer science alumni have chosen in the last five years.

Job Titles

Associate Consultant	Game Programmer	Native App Developer	Quantitative Trader	Software Development Engineer
Associate Product Manager	Human Interaction Design Assistant	Product Development Engineer	Research Associate	Software Engineer
Associate Software Engineer	Independent Contractor	Production Engineer	Security Consultant	Software Innovator
Biological Data Technician	Information Security Engineer	Program Manager	Senior Perception Engineer	Software Architect
Cloud Engineer	LAMP Web Developer	Programmer	Software Artisan	Solution Architect
Curriculum Coordinator	Machine Learning Engineer	Python Developer	Software Design Engineer in Test (SDET)	Tech Consultant
Design Engineer	Mobile App Developer	Quality Assurance Engineer	Software Developer	Technology Analyst
Developer		Quantitative Research Analyst		Trader

Employers

2Advanced Studios	compLexity Gaming	Harvey Mudd College	Pandora Media	Transfix
343 Industries	Creative Electron Inc.	Hulu	Pivotal Labs	Trellisware Technologies
Accenture	Datadog	IMC Financial Markets	Plaid	Twilio
Advanced Micro Devices Inc.	DIRECTV	Intuit Inc.	Pure Storage	Twitter Inc.
Allen Institute for Artificial Intelligence	Disney	iRise	QAD	United States Department of Defense
Amazon.com	DreamHost	J.P. Morgan	Quantcast	University of California, Santa Cruz
Apatite to Zircon Inc.	Duolingo	Jane Street Capital	Quixey	Upthere
Apple Inc.	Engrade	KLA-Tencor Corporation	Rapid7	ViaSat
Arista Networks	Epic	Laserfiche	Room 77	Wayfair
Athenahealth Inc.	Expedia Inc.	LinkedIn	Salesforce	Webroot Inc.
Bain & Company	Facebook Inc.	Lyft	ServiceNow	Yahoo! Inc.
Betterment	Factual Inc.	Meta	SOASTA Inc.	Yelp Inc.
Blizzard Entertainment	Gaikai	Microsoft	SpaceX	YouTube
Bloomberg	GameChanger Media	NCC Group	Spot Trading LLC	Zillow Group
Bowers & Wilkins	Genius.com	Nextdoor.com	Stripe	Ziprecruiter
Cisco Meraki	Goldman Sachs	Nocturnal Studio	Susquehanna International Group	Zulily
Citadel	Google	Nvidia	Teradata Corporation	
Citigroup Inc.	Green Hills Software	Okta	The MITRE Corporation	
	Gusto	Originate Inc.		

Starting Salary Summary

High Salary Range \$130,000 or more	Low Salary Range \$45,000–\$74,999	Median Salary Range \$110,000–\$114,999
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Graduate Schools

Carnegie Mellon University	Oregon State University	University of California, Davis	University of California, Santa Cruz	University of Oregon
Claremont Graduate University	Stanford University	University of California, Irvine	University of Chicago	University of Pennsylvania
Cornell University	Texas A&M University	University of California, San Diego	University of Illinois Urbana-Champaign	University of Southern California
Georgia Institute of Technology	University of Alberta	University of California, Santa Barbara	University of Maryland	University of Washington
Massachusetts Institute of Technology	University of British Columbia		University of Massachusetts	University of Waterloo
Northwestern University	University of California, Berkeley			University of Wisconsin

Summer Employers

1010data	Applied Communication Sciences*	Bloomberg	Clover Network*	Doosan Bobcat
Age of Learning Inc.	athenahealth	Carnegie Mellon University (REU)*	Cruise Automation	Electronic Arts*
Airbnb	Bank of America*	Citadel	Dart Science	Epic
American Express			Dolby Laboratories	Facebook*

Summer Employers (CONTINUED)

Flitto	idTech	Microsoft*	Proofpoint	Twitter
Florida International University (REU)	Industrial Light & Magic	Northrop Grumman*	Pure Storage	United States Geological Survey*
Girls Who Code	Intel*	Oregon State University (REU)	Quantcast*	Viasat
Google*	Intentional Software	Originate Labs*	Rutgers University (REU)	VMware
GreenLight Biosciences*	Intuit	OSIssoft	Salesforce	Voya Financial*
Harvard University (REU)	Jane Street Capital	Pandora	ServiceNow*	Yelp
Honey	Jet Propulsion Laboratory*	PayPal	Slack Technologies*	
Hulu	Laserfiche	Payplant*	Spot Trading	
I.B.I.S.*	Liferay Inc.	Pillow Global Inc.*	Stripe	<i>*companies that hired first-year students</i>
Idealab*	Locus Analytics	Pixar	Target	
	Meta*	Plaid	The City of Los Angeles	

Average Summer Wage

First-year \$6,243 stipend	Sophomore \$8,699 stipend	Junior \$11,439 stipend
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Here are just a few areas that may interest a computer science major.

Area

Employers

What You Can Do Now

PROGRAMMING

Systems
Scientific applications
Business application (intelligence, warehousing, information delivery and maintenance)
Project management

Software and computer companies
Banks, retail chains and manufacturers
Government agencies
Management consulting firms
Contract and temporary employers
Research laboratories
Colleges and universities

- Having related experience is critical to most employers that hire computer science majors. Obtaining an internship or part-time job in a relevant area will increase employability.
- Develop strong interpersonal, communication and other "soft skills."
- Learn to work well on a team and to meet deadlines.
- Develop attention to detail and a flair for creativity.
- Take additional courses in business, science or engineering.
- Obtain vendor-specific certifications or networking certifications to gain a competitive edge.
- Stay current in programming languages.
- Realize that programming and consulting may go hand-in-hand.
- Join related professional organizations.

SYSTEMS DEVELOPMENT

Analysis
Design
Support
Quality assurance
Specialty systems (database, client-server, expert)

Local, state and federal government
Banks and financial institutions
Insurance companies
Consulting firms
Manufacturers
Computer companies
Research institutions

What You Can Do After Graduation

- An undergraduate degree will qualify applicants for positions in programming, systems/software development and a variety of computer-related areas.
- A master's degree or an MBA is needed for upper-level positions.
- An advanced degree will qualify applicants for academic and management positions.
- Seek the Certified Computing Professional designation by completing a series of exams and experiential requirements.

INTERNET

Programming
Software design
Systems analysis
Hardware production
Web page design

Online service providers
Computer/equipment vendors
Internet-related companies (browsers, search engines, website design services)
Large businesses

