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

### Employers

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

### Starting Salary Summary

<table>
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<tr>
<th>High Salary Range</th>
<th>Low Salary Range</th>
<th>Median Salary Range</th>
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</thead>
<tbody>
<tr>
<td>$130,000 or more</td>
<td>$45,000–$74,999</td>
<td>$110,000–$114,999</td>
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### Graduate Schools

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

### Summer Employers

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

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

Average Summer Wage

<table>
<thead>
<tr>
<th></th>
<th>First-year</th>
<th>Sophomore</th>
<th>Junior</th>
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<tr>
<td>Stipend</td>
<td>$6,243</td>
<td>$8,699</td>
<td>$11,439</td>
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</table>

Here are just a few areas that may interest a computer science major.

**PROGRAMMING**

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

**SYSTEMS DEVELOPMENT**

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

**INTERNET**

- Programming
- Software design
- Systems analysis
- Hardware production
- Web page design

**Employers**

- Software and computer companies
- Banks, retail chains and manufacturers
- Government agencies
- Management consulting firms
- Contract and temporary employers
- Research laboratories
- Colleges and universities
- Local, state and federal government
- Banks and financial institutions
- Insurance companies
- Consulting firms
- Manufacturers
- Computer companies
- Research institutions
- Online service providers
- Computer/equipment vendors
- Internet-related companies (browsers, search engines, website design services)
- Large businesses

**What You Can Do Now**

- 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.

**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.