## 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
- Software Development Engineer
- Software Engineer
- Software Innovator
- Solution Architect
- Tech Consultant
- Technology Analyst
- Trader

### Employers

- 2Advanced Studios
- 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
- Pivot Labs
- Plaid
- Pure Storage
- QAD
- Quantcast
- Quixey
- Rapid7
- Room 77
- Salesforce
- ServiceNow
- SOASTA Inc.
- Sony
- The MITRE Corporation
- Transfix
- Trollisware Technologies
- Twilio
- Twitter Inc.
- United States Department of Defense
- University of California, Santa Cruz
- Upthere
- ViaSat
- Wayfair
- Webrout Inc.
- Yahoo! Inc.
- Yelp Inc.
- YouTube
- Ziprecruiter
- Zulily
- Citigroup Inc.
- Citgo
- American Express
- Betterment
- Blizzard Entertainment
- Bloomberg
- Bowers & Wilkins
- Citadel
- Bovis
- Gaikai
- GameChanger Media
- Genius.com
- Goldman Sachs
- Google
- Green Hills Software
- Gusto
- 1010data
- Applied Communication Sciences*
- athenahealth
- Bank of America*
- American Express
- American Express
- Bloomberg
- Carnegie Mellon University (REU)*
- Citadel
- Clover Network*
- Cruise Automation
- Dart Science
- Dolby Laboratories
- Doosan Bobcat
- Electronic Arts*
- Epic
- Facebook*

### Starting Salary Summary

<table>
<thead>
<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*
- athenahealth
- 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)**

Fitto  
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*  
OSSoft  
Pandora  
PayPal  
Payplant*  
Pillow Global Inc.*  
Pixar  
Plaid  
Proofpoint  
Pure Storage  
Quanticast*  
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>First-year</th>
<th>Sophomore</th>
<th>Junior</th>
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<tbody>
<tr>
<td>$6,243 stipend</td>
<td>$8,699 stipend</td>
<td>$11,439 stipend</td>
</tr>
</tbody>
</table>

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

**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  
• 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.