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 Software Engineer
- Biological Data Technician
- Design Engineer
- Developer
- Game Programmer
- Independent Contractor
- Information Security Engineer
- LAMP Web Developer
- Product Development Engineer
- Program Manager
- Programmer
- Quality Assurance Engineer
- Software Design Engineer in Test (SDET)
- Software Developer
- Software Engineer
- Software Innovator
- Technology Analyst
- Trader

**Employers**
- 2Advanced Studios
- Advanced Micro Devices Inc.
- Amazon.com
- Apatite to Zircon Inc.
- Apple Inc.
- athenahealth Inc.
- Bain & Company
- Blizzard Entertainment
- Cisco Meraki
- Citigroup Inc.
- compLexity Gaming
- Creative Electron Inc.
- DIRECTV
- DreamHost
- Engrade
- Epic
- Expedia Inc.
- Facebook Inc.
- Factual Inc.
- Gaikai
- GameChanger Media
- Genius.com
- Google
- Green Hills Software
- Harvey Mudd College
- Hulu
- IMC Financial Markets
- Intuit Inc.
- iRise
- J.P. Morgan
- KLA-Tencor Corporation
- Laserfiche
- LinkedIn
- Microsoft
- Nextdoor.com
- Nocturnal Studio
- Origin Inc.
- Pandora Media
- Pivotal Labs
- QAD
- Quantcast
- Quixey
- Rapid7
- Room 77
- SOASTA Inc.
- SpaceX
- Spot Trading LLC
- Teradata Corporation
- The MITRE Corporation
- Twitter Inc.
- United States Department of Defense
- University of California, Santa Cruz
- Upthere
- ViaSat
- Yahoo! Inc.
- Yelp Inc.
- zulily

**Starting Salary Summary**
- High Salary Range
  - $110,000 – 119,999
- Low Salary Range
  - >$40,000
- Median Salary Range
  - $110,000 – 119,999

**Summer Employers**
- American Express
- Applied Communication Sciences*
- athenahealth
- Bloomberg
- Dart Science
- Epic
- Facebook*
- Flitto
- Google*
- I.B.I.S.*
- idTech
- Intentional Software
- Intuit
- Hulu
- Laserfiche
- Microsoft*
- OSIsoft
- Origin Inc.
- Pandora
- Pixar
- Pure Storage
- Quantcast
- Salesforce
- Spot Trading
- Viasat
- VMware
- Yelp
- *companies that hired for first-year students

**Average Summer Wages**
- First-year
  - $17.50/hour
- Sophomore
  - $23/hour
- Junior
  - $34/hour
Here are just a few areas that may interest a computer science major.

<table>
<thead>
<tr>
<th>Area</th>
<th>Employers</th>
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<tbody>
<tr>
<td><strong>PROGRAMMING</strong></td>
<td></td>
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<tr>
<td>Systems</td>
<td>Software and computer companies</td>
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<tr>
<td>Scientific applications</td>
<td>Banks, retail chains and manufacturers</td>
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<tr>
<td>Business application</td>
<td>Management consulting firms</td>
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<tr>
<td>warehousing, information</td>
<td>Government agencies</td>
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<tr>
<td>delivery and maintenance</td>
<td>Contract and temporary employers</td>
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<tr>
<td>Project Management</td>
<td>Research laboratories</td>
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<tr>
<td></td>
<td>Colleges and universities</td>
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<tr>
<td><strong>SYSTEMS DEVELOPMENT</strong></td>
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<tr>
<td>Analysis</td>
<td>Local, state and federal government</td>
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<td>Design</td>
<td>Banks and financial institutions</td>
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<tr>
<td>Support</td>
<td>Insurance companies</td>
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<tr>
<td>Quality assurance</td>
<td>Consulting firms</td>
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<tr>
<td>Specialty systems</td>
<td>Manufacturers</td>
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<tr>
<td>(database, client-server, expert)</td>
<td>Computer companies</td>
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<tr>
<td></td>
<td>Research institutions</td>
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<tr>
<td><strong>INTERNET</strong></td>
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<tr>
<td>Programming</td>
<td>Online service providers</td>
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<tr>
<td>Software design</td>
<td>Computer/equipment vendors</td>
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<td>Systems analysis</td>
<td>Internet-related companies (browsers, search engines,</td>
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<tr>
<td>Hardware production</td>
<td>website design services)</td>
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<tr>
<td>Web page design</td>
<td>Large businesses</td>
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</tbody>
</table>

**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.