

Geobio Boo

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Education

UC Berkeley, Electrical Engineering and Computer Science
Junior, 3.6 GPA, Graduating May 2013

• Java • Android • iOS/OS X • Python • Unit Testing • C & Obj-C

CS 188 – **Artificial Intelligence** Search Algorithms, Statistical Decision Making, Machine Learning

CS 198 – **iOS and OS X Development**, also covers design principles, testing, performance

CS 162 – **Operating Systems**, Concurrency, Distributed Systems, Networking, Databases

CS 160 – **User Interface** Design and Evaluation, Android, Iterative Prototyping, HCI Principles

Professional Experience

Software Developer in Test, A2Z Development Center, Amazon.com **June 2011 – Aug 2011**

- Develop an automation testing framework and integration tests for the Amazon MP3 android app.
- Customize Robotium for Amazon MP3, including bug fixes, framework reorganization, and customizations.
- Integrate the tests with Jenkins continuous-integration server; automatically run the tests with every build.
- Collaborate with the developers to better integrate automation testing in future versions of Amazon MP3

Residential Computing Consultant, ResComp, UC Berkeley **Aug 2009 – May 2011**

- Work with a team of six to organize and provide technical support for over 1000 university residents.
- Troubleshoot software/hardware/network problems, clean malware infections, and resolve TCP/IP and DHCP problems using a variety of programs and Linux server-hosted command line tools.
- Address concerns and problems in-home and by phone & email, with priority on customer service.
- Lead workshops on safe internet practices, web productivity tools, computing best-practices, etc.

Simi Electronics (Co Founder) **June 2006 – Aug 2009**

- Co-founded a small business in computer hardware & software repairs, upgrades, and troubleshooting.
 - Earned net profit of ~\$9,000 over 3 years, and tracked expenses, revenue, and customer retention.
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Projects

Texas Holdem Android App

- Evaluated users' needs, created lo-fi and med-fi prototypes, performed heuristic evaluations, etc.
- Developed a Texas Holdem android app, and iteratively improved the app's features and design.

Distributed Network Chat Server + Chat Clients

- Created a distributed chat server hosted across multiple Amazon S3 servers.
- Chat servers withstand failures, network timeouts, concurrent requests/signout, etc.
- Wrote thorough design documents, specifications, and test cases before coding.

Other Interests: Security & Networking

- Performed network traffic analysis and web app penetration testing using Wireshark, Burp Suite, Nmap, and BackTrack. Gained knowledge of network and application security including the OWASP Top 10.
 - Managed a wireless router running Tomato open-source firmware for use by 30 students; controlled network access, set bandwidth limits, syslog and other logging, customized firewall, etc.
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Conferences & Scholarships

- Google I/O Developer Conference
- PayPal X Developer Conference
- Ronald Reagan Presidential Scholarship
- Bill Gates Millennium Scholarship