

THANH HAI MAI

thanhhai.mai@berkeley.edu • 408-718-7572
2535 Channing Way #207 • Berkeley, CA 94704
www.linkedin.com/in/thanhhaimai • www.github.com/thanhhaimai

Education

- **University of California, Berkeley** *expected graduation December 2013*
 - Bachelor of Arts, Computer Science, GPA 3.86

Awards & Recognition

- Richard Yarbrough Memorial Honor Student Scholarship.
- Robert Chang Memorial Scholarship.
- Shiva and Meera Singh Scholarship.
- Winner of Berkeley vs. Stanford Big Hack.
- Winner of Battle of the Bay Hackathon.

Work Experience

- **Software Engineering Intern, Google Research** *May 2012 – August 2012*
 - Extended Fusion Tables API with a new background import pipeline.
 - Significantly reduced servers' loads by eliminating major bottlenecks in API calls.

Academic Experience

- **Reader/Grader, UC Berkeley** *Jan 2012 – May 2012*
 - Graded homework and projects for CS61C: **Computer Architecture**
- **Lab Assistant, UC Berkeley** *August 2011 – Jan 2012*
 - Tutored students one on one, facilitating their comprehension of UNIX and functional programming.
 - Organized finals review sections for fellow students, solidifying their understanding on data structures.

Recent Projects

- **TapData: Greylock Hackfest 2012 (Top 10 finalists)**
 - Developed a system using NFC that allows users to transfer their virtual world into physical objects like stickers and wristbands and carry their workflow with them all the time in just a few taps. Implemented using Android, node.js, MongoDB, Chrome extension, Spotify, and Arduino.
- **Humans++: AngelHack 2012 (Top 20 finalists in the US)**
 - Prototyped a wristband that augments human sense by transforming information into touches and vibrations. Showcased turn by turn direction, temperature and distance measurement.
- **Dropbox++: Cal vs. Stanford Big Hack 2012 (Winner – Idea was incorporated by Dropbox)**
 - Designed a new web interface for Dropbox that allows users to analyze their usage, access data without installing Dropbox, and share any file with a simple click.
- **Developed Course Website (Deployed for Structure and Interpretation of Computer Programs)**
 - Collaborated with **Professor Brian Harvey** to design a new course website with progress tracking that integrated grading lookup using the school authentication system.
- **Thunderstorm: CSUA Hackathon 2012**
 - Developed a **realtime** multiplayer tank shooting game that runs on the browser using **node.js**.
- **Pyception: Facebook Battle of the Bay 2011 (Winner)**
 - Designed a web application built in Python that parses Python code and relays its structural information graphically.
- **Blokus Duo AI: Data Structures Class Project**
 - Developed a full version of Blokus Duo in **Java** with multiplayer and **competitive AI** support.

Technical Skills

- Proficient with: C#, Java, JavaScript, C++, HTML + CSS, XML, Python, Scheme
- Softwares and frameworks used: NodeJS, ExpressJS, Android, Arduino, Git, Subversion, MongoDB, Mongoose, OpenMP, Photoshop, Maya

Organizations

- Officer, **Hackers @ Berkeley**
- Publicity Chair, **Upsilon Pi Epsilon** (Honor Society for the Computing Sciences)

Additional Skills & Information

- I love **playing games**, listening to **rock music**, wasting time on **Hackers News** and Tech Crunch, and enjoying **delicious food**.