Peter Gao

pgao@berkeley.edu   More side projects at: http://www.gaoism.com

Education

EECS Major at UC Berkeley (3.55/4.0 GPA) graduating 2015

Work Experience and Projects

Hackers@Berkeley (Officer), http://www.hackersatberkeley.com/**, August 2011-**
- I teach workshops on practical coding skills and web technologies. And I hack.
- Finalists at Angelhack 2012: Team Humans++ with a haptic bracelet navigational aid.

RewardMe (Software Development Intern), May 2012 – July 2012
- Designed and programmed an A/B testing framework for customer marketing campaigns and internal testing. Implemented back-end infrastructure and an intuitive front-end interface for its users.
- Implemented a bulk-emailing service and payments/invoicing service to automate a lot of work that was previously done manually.
- Built upon **Jboss, MySQL**, **Javascript, Stripe, Amazon SES, and JQuery**.

Event Finder, February 2012 -
- Developed a web application to help students at Berkeley find fun events through an intuitive map interface.
- Built upon **Django**, **sqlite**, **Google Fusion Tables**, and **Google Maps**.

Carnegie Mellon University (Research intern), June 2011 – August 2011
- Developed considerate systems and artificial intelligence for a PhD. project exploring how manipulation of speech can enhance the understandability of multi-party conversations.
- Extensively used **C++**, **CLAM**, **git**, and **Unix** while dabbling in **Ruby on Rails** and **Android** development. Also learned methods for signal analysis and signal manipulation.

FIRST Robotics (Team President), 2007-2011
- High school engineering competition involving student-built 120 lb robot.
- Led overall design, collaborated with local mentors and machinists, managed logistics, recruiting, and retention for 100-person team, placed as quarterfinalists in UC Davis regional for the first time in three years. Expanded team from 40 active members to 100+ active members, started a community outreach and volunteering program.

Hunter Laboratories (Research Intern), June 2010 - August 2010
- Used statistical and probabilistic analysis to analyse the accuracy of a novel RNA based test in predicting the onset of carcinogenic HPV infections.

Skills

C++, Python, Java, Mathematica, Autodesk Inventor,
HTML, CSS, Javascript/JQuery, git, web.py, Django
Mandarin, Spanish, manual and CNC machining, electrical engineering, robot design
Picking up new languages, frameworks, and skills on the go