Edward Lee

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University of California, Berkeley 2014: Computer Science

WORK EXPERIENCE

RESIDENTIAL COMPUTING AT UNIVERSITY OF CALIFORNIA, BERKELEY　　*2011-2013 (BERKELEY, CA)*
Network Access Control (NAC) Programmer
- Development of wireless captive portal system for internet access across the campus/dorms.
- Worked in a 4-member team of programmers using Perl, svn, IRC, and a wiki for code documentation.
- Led/partook in informational workshops as well as technical coding workshops and code reviews.

LOCKHEED MARTIN: SOLAR AND ASTROPHYSICS LABORATORY　　*2008-2009 (PALO ALTO, CA)*
Data Analysis Programmer
- IDL programming for analyzing Sun Earth Connection Coronal and Heliospheric Investigation (SECCHI) satellite data for outputting visual media.
- Assisted in a research project testing image data to optimize parameters for an accurate measurement of solar flares.

BYTE CLOTHING: DINO HOODIES
Tech Co-Founder　　*2009-2013 (PALO ALTO, CA)*
- After observing trouble tracking inventory, implemented an inventory backend in PHP used to communicate with the package shipping.
- Automated tracking orders and sending out confirmation emails to customers

COMPSCI EDDY'S IPHONE REPAIR
Founder　　*2012-2013 (BERKELEY, CA)*
- Self-started iPhone repair business managing all aspects of the business including the actual repairing, accounting, marketing, graphic design, and advertising.
- Marketed the brand via Yelp and Facebook in order to upsurge word-to-mouth business.

FREELANCING　　*2007-present (REMOTE)*
- Programmer (HTML/CSS, Javascript/jQuery, Wordpress, PHP, Cookies)
- Designer (Photoshop), Writer (Reviews, Content Writing, Tutorials)

SKILLS

- Python, Ruby (Rails), HTML5/CSS3, Haml/Sass, JavaScript (jQuery), PHP (CodeIgniter), Perl, Java, C/C++.
- Photoshop, Dreamweaver, Flash, Solidworks, AutoCAD, Matlab, Eclipse, Lightroom.
- Vim, SVN/git, Bootstrap, AppleScript, LaTeX, Amazon EC2, MongoDB and MySQL, Windows, Mac OS X, *nix (Ubuntu, Fedora, FreeBSD), Arduino.

PERSONAL PROJECTS

MEET IN THE MIDDLE MOBILE WEBAPP (mitm.herokuapp.com)
- App allows host to generate a unique link which when shared allows other people to enter in their names and display their location.
- Created at a hackathon with 2 other people. Coded front-end, working in Python/Flask to interface with and work with Yelp API.

AUTOMATIC DOOR LOCK (tinyurl.com/arduinolock)
- Built a prototype to (dis)engage my door lock at the turn of a potentiometer as a proof-of-concept for programming Arduino to respond via the internet/bluetooth and automatically (un)lock my door.

INFO-STOCKS (github.com/eddieberklee/info-stocks)
- Visualized an estimate of Apple's performance based on open data sources such as a Wikipedia article outlining every Apple product, Yahoo Finance API for getting AAPL stock performance data. Then combined that for one-click visualization based on time range, family of products, or type of product.
- Coded with 1 other person. I coded all the web scraping, accessing the stocks data via the Yahoo Finance API, and Javascript for integrating an iPython notebook with our code.

ATTACK ON TITAN NOTIFIER (github.com/eddieberklee/rails-attackontitan)
- Ruby on Rails deployed to Heroku to text my phone whenever a new episode for this anime series comes out on CrunchyRoll.com (like the Hulu for Anime).
- Designated a special URL for a cronjob (done via EasyCron.com) to hit every thirty minutes which triggered my ruby code to scrape CrunchyRoll's website and compare it to the database of "known episodes". Texting done through Twilio's fantastic API.