Edward Lee

765 San Antonio Road Apt. #58, Palo Alto, CA 94303 · *www.compscieddy.com* · *eddieberklee@gmail.com* · 248-622-3852

Education

University of California, Berkeley   *B.A. Computer Science, expected May 2014*
Relevant Coursework:

Computer Security, Algorithms, Networking, Artificial Intelligence, User Interfaces, Databases, Software Engineering, Discrete Mathematics & Probability, Linear Algebra, Productive Unix Use, Tangible User Interfaces, Machine Structures, Data Structures, Entrepreneurship.

Professional Experience

TapFame *(Software Engineer Intern)*   *San Francisco, CA*
07/2013 – 09/2013
- Django back-end development with CTO implementing core features, optimizing for speed (for database queries and scraping functions) as the magnitude of in-house data increased, and web crawling/scraping.
- Headed the integration of Android-related features where there was originally only support for the iOS platform.
- Improved overall user experience to be more seamless by replacing static content and page redirects to utilize AJAX.

CompSci Eddy's iPhone Repair *(Founder)*   *Berkeley, CA*
06/2012 – 06/2013
- Started an iPhone repair business for a quick 40-minute drop-in session around the Berkeley campus.
- Managed all aspects of the business including the repairing, accounting, customer service, branding, and advertising.

Student Affairs IT: Residential Computing *(Access Control Programmer)*   *Berkeley, CA*
06/2011 – 06/2013
- Development in Perl of the wireless captive portal system across the Berkeley campus of more than 36,000 people.
- Coded with a team of programmers developing features as well as making major modifications to our technology stack.
- Led technical coding workshops, new employee training sessions, and code reviews. Frequent collaboration in-office and remotely using SVN, IRC, and a TWiki for documentation.

Byte Clothing *(Co-Founder & Web Developer)*   *Palo Alto, CA*
12/2010 – 01/2013
- Built website for a clothing brand selling dinosaur hoodies with manual PHP and PayPal as the payment gateway.
- Implemented a homebrew inventory system to streamline the delivery process, and other tools such as Google Analytics.

Lockheed Martin: Solar and Astrophysics Laboratory *(Programmer Intern)*   *Palo Alto, CA*
04/2008 – 08/2009
- Interactive Data Language (IDL) programming to analyze SECCHI satellite data under mentorship of two researchers.
- Contributed code and improved documentation of their internal codebase, as well as optimizing the data processing of satellite data into common image/video formats through a combination of IDL, Python, and AppleScript.

Personal Projects

Freelancing *(Coding, Writing, Designing)*   *Palo Alto, CA*
2007 – Present
- Consulting for 40+ clients on a variety of projects: scraping, cross-browser compatibility, and building local business' websites
- Took on creative projects in design (Photoshop, Bridge RAW editing, InDesign) and writing (Reviews, Content Writing, Tutorials)

Code Trial App   *(codetrial.herokuapp.com)*
- "Best Use of Twilio API" Award at PennApps Hackathon (Fall 2013).
- Coding challenge platform built on Ruby on Rails for employers to record candidates solving a problem while talking it through.
- Team of 4 (including me). Implemented real-time recording of typing and audio, merging the two into a playable video.

Meet in the Middle App   *(mitm.herokuapp.com)*
- Hackathon app built with Flask that allows friends to pinpoint the geometric median of their GPS coordinates and find nearby cafés and restaurants to meet at.
- Team of 3 (including me). Implemented the back-end code for integrating with the Yelp API and the mobile front-end.

Stocks Analysis & Visualization   *(github.com/eddieberklee/info-stocks)*
- Analyzed Apple's stock performance by correlating changes in stock price with product release dates (product information scraped from Wikipedia).
- Team of 2 (including me). Coded the web scraping, accessing the stocks data via the Yahoo Finance API, and JavaScript for integrating an interface in the iPython notebook with our code.

New Episode SMS Notifier   *(github.com/eddieberklee/new-episode)*
- Ruby on Rails app deployed to Heroku to text my phone (Twilio API) whenever a new episode was released for a TV show I watch on CrunchyRoll.com.
- Team of 1 (including me). 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 text me when a new episode is released.

Skills

Languages: Python, Java, Ruby, C/C++, Perl, PHP, Javascript, Korean.
Back-end Development: Django, Ruby on Rails, Flask (Python), Sinatra (Ruby), PHP (CodeIgniter).
Front-end Development: HTML, CSS, Javascript, jQuery, and (Haml, Sass, CoffeeScript).
Applications: Matlab (GUI programming), Eclipse, Solidworks/AutoCAD, Photoshop, Flash, InDesign.
Miscellaneous: Git, SVN, Vim, LaTeX, Linux (Fedora, Ubuntu, FreeBSD), gdb, tmux, Heroku, Amazon Web Services.

Interests

Hackathons, Photoshop/UX, Fitness, Snowboarding, Drawing, Guitar/Ukulele, Piano, Cooking, Automation, DIY Projects.