**Edward Lee**

***University of California, Berkeley: Computer Science ’14***

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**Experience**

**TapFame**

*San Francisco, CA*

*07/2013 – 09/2013*

*Software Engineer Intern*

* Django back-end development with CTO implementing core features, optimizing for speed (for database queries and scraping) 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 flow by replacing unnecessary static content and page redirects to utilize AJAX wherever apt.

*Berkeley, CA*

*06/2011 – 06/2013*

**Residential Computing (University of California, Berkeley)**

*Network Access Control (NAC) Programmer*

* Development of the wireless captive portal system across the Berkeley campus and student housing.
* Coded with a team of programmers in Perl 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.

*Palo Alto, CA*

*04/2008 – 08/2009*

**Lockheed Martin: Solar and Astrophysics Laboratory**

*Data Analysis Programmer*

* Interactive Data Language (IDL) programming to analyze SECCHI satellite data under mentorship of a researcher.
* 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.
* Assisted in a research project optimizing 3D parameters for an accurate measurement of solar flares.

**CompSci Eddy’s iPhone Repair** *Berkeley, CA*

*Founder 06/2012 – 06/2013*

* Started an iPhone repair business targeted towards Berkeley students to get iPhones fixed in 40 minutes.
* Managed all aspects of the business alone including the repairing, customer service, branding, and advertising.

**Byte Clothing** *Palo Alto, CA*

*Co-Founder & Web Developer 12/2010 – 1/2013*

* Built a specialized clothing brand website to sell hoodies designed by my brother (www.byteclothing.com) using PayPal as the payment gateway.
* Implemented a homebrew inventory system in PHP.

**Freelancing**

* Worked with over 40 clients on projects ranging across front-end development, JavaScript interactive elements, scraping scripts, debugging cross-browser compatibility issues, and building local business websites.

*Palo Alto, CA*

*2007 – Present*

* Took on creative projects in design (Photoshop, Bridge RAW editing, InDesign) and writing (Reviews, Content Writing, Tutorials).

**Personal Projects**

**Stocks Analysis & Visualization** *(github.com/eddieberklee/info-stocks)*

* Analyzed Apple Inc.’s performance by correlating changes in stock price with respect to product release dates (dates and product information scraped from Wikipedia).
* Coded with 1 other person. 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 Text Notifier** *(github.com/eddieberklee/new-episode)*

* Ruby on Rails app deployed to Heroku to text my phone (using the Twilio API) whenever a new episode was released for a TV show I watch on CrunchyRoll.com.
* 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 if a new episode is released.

**Meet in the Middle App** *(mitm.herokuapp.com)*

* Ruby on Rails app that allows friends to pinpoint the geometric median of their GPS coordinates and find nearby cafés and restaurants to meet at.
* Created at a hackathon with 2 people. Implemented the back-end code for integrating with the Yelp API and the mobile front-end.

**Code Trial App** *(codetrial.herokuapp.com)*

* “Best Use of Twilio API” Award at PennApps Hackathon (Fall 2013).
* A coding challenge platform built on Ruby on Rails for employers to record candidates solving a problem while talking it through.
* Implemented real-time recording of the typing and audio, merging the two into a playable “video.

**Skills/Languages**

* Python (Django), Ruby on Rails, Java, C, Perl, PHP (CodeIgniter), Arduino.
* HTML, CSS, JavaScript (jQuery, Haml, Sass, CoffeeScript).
* Photoshop, Matlab, Solidworks, AutoCAD, Flash, InDesign, LaTeX.
* Git, svn, vim, tmux, Linux (Ubuntu, Fedora, FreeBSD), Korean.

**Interests**

Hackathons, Photoshop/UX, Fitness, Drawing, Cooking, Guitar/Ukulele, Piano.