

# Edward Lee

University of California, Berkeley: Computer Science '14

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## Experience

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### 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) 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.

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

Network Access Control (NAC) Programmer

Berkeley, CA  
06/2011 – 06/2013

- 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.

### Lockheed Martin: Solar and Astrophysics Laboratory

Data Analysis Programmer

Palo Alto, CA  
04/2008 – 08/2009

- 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.

### Byte Clothing

Co-Founder & Web Developer

Palo Alto, CA  
12/2010 – 1/2013

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

### CompSci Eddy's iPhone Repair

Founder

Berkeley, CA  
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.

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

Palo Alto, CA  
2007 – Present

## Personal Projects

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### Meet in the Middle App ([mitm.herokuapp.com](http://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.

### Stocks Analysis & Visualization ([github.com/eddieberkle/info-stocks](http://github.com/eddieberkle/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.

### Code Trial App ([codetrial.herokuapp.com](http://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".

### New Episode Text Notifier ([github.com/eddieberkle/new-episode](http://github.com/eddieberkle/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.

## Skills/Languages

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

## Interests

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