

# Edward Lee

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## Professional Experience

### TapFame (Software Engineer Intern)

(San Francisco, CA)  
7/2013 - 9/2013

- Django back-end development, working closely with CTO implementing core features, optimizing database queries as the magnitude of in-house data increased, and web crawling/scraping.
- Responsible for heading integration of Android-related features when there had previously only been support for iOS apps.
- Improved overall user experience to feel more seamless by replacing static content and page redirects with AJAX calls.

### Student Affairs IT: Residential Computing (Access Control Programmer)

(Berkeley, CA)  
6/2011 - 6/2013

- Development in Perl of the wireless captive portal system across the Berkeley campus of more than 36,000 people.
- Coded in a team of programmers collaboratively expanding features and functionality from design through implementation.
- 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.

### CompSci Eddy's iPhone Repair (Founder) 6/2012 - 6/2013

- Started iPhone repair business for locals around the Berkeley campus.
- Managed all aspects of the business including the repairing, accounting, customer service, branding, and advertising.

### Byte Clothing (Co-Founder & Web Developer) 12/2010 - 1/2013

- Built website for a clothing brand selling dinosaur hoodies with manual PHP and PayPal as the payment gateway.
- Implemented a homebrew PHP inventory system and integrated heat maps and Google Analytics.

### Lockheed Martin: Solar and Astrophysics Laboratory (Programmer Intern)

(Palo Alto, CA)  
4/2008 - 8/2009

- Interactive Data Language (IDL) programming analyzing SECCHI satellite data under the mentorship of two researchers.
  - Contributed improved code and documentation to their internal codebase, as well as optimizing the data processing of satellite data into common image and video formats through a combination of AppleScript, IDL, and Python.
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## Skills

**Languages:** Python, Java, Ruby, PHP, C/C++, Perl, Korean.

**Frontend Development:** Javascript, jQuery, HTML, CSS, and Haml/Sass (preprocessors).

**Backend Development:** Django, Ruby on Rails, Flask (Python), Sinatra (Ruby), PHP (CodeIgniter).

**Applications:** Eclipse, Photoshop, Matlab (incl. GUI), Solidworks, AutoCAD, Flash, InDesign.

**Miscellaneous:** git, svn, vim, LaTeX, Linux (Fedora, Ubuntu, FreeBSD), gdb, tmux, Heroku, Amazon Web Services.

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## Personal Projects

### Freelancing (Coding, Writing, Designing)

2007 - Present

- Consulting for 40+ clients on a variety of projects: scraping, cross-browser compatibility, and website work (HTML/CSS/Javascript).
- Also took on creative projects in design (Photoshop, Bridge RAW editing, InDesign) and writing (Reviews, Content Writing, Tutorials).

### Code Trial App

- "Best Use of Twilio API" Award at PennApps Hackathon (Fall 2013). (codetrial.herokuapp.com)
- Coding challenge platform built on Ruby on Rails for employers to record candidates solving a problem while talking it through. 9/2013
- My Role: Implemented a real-time recording of typing and audio in Javascript, merging the two into a playable video. Team of 4 (incl. me).

### Meet in the Middle App

- Hackathon app idea conceived by me, built with Flask that allows friends to pinpoint the geometric median of everyone's GPS coordinates and find nearby cafés and restaurants for everyone to meet at. (mitm.herokuapp.com) 11/2012
- My Role: Implemented the backend code for integrating with the Yelp API and did all the mobile frontend. Team of 3 (incl. me).

### Stocks Analysis & Visualization Project

- Analyzed Apple's stock performance by correlating changes in stock price with product release dates. (github.com/eddieberklee/info-stocks)
- My Role: Coded the web scraping for Wikipedia, accessing the stocks data via the Yahoo Finance API, and JavaScript for integrating an interface in the iPython notebook with our code. Team of 2 (incl. me). 4/2013

### Time Tracker App (via SMS)

- App concept, design, and programming all done by me. I wanted a storyline of my day showing what I did and how long I did it, by taking the time to send the server a text message whenever I start an activity. (time-tracker-sms.herokuapp.com) 1/2014
  - Ruby on Rails app using Designmodo's Flat UI colors, SMS texting implemented with Twilio's API, and the standard HTML/CSS/Javascript/jQuery frontend. Team of 1 (incl. me).
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## Education

### University of California, Berkeley

B.A. Computer Science, May 2014

#### Relevant Coursework:

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

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## Interests

Hackathons, Photoshop/UX, Drawing, Graphic Design, Guitar/Ukulele, Piano, Cooking, Automation, DIY, Fitness, [Skate/Snow]boarding.