

Albert Hu

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EDUCATION University of California, Berkeley Expected May 2016
Bachelor of Science, Electrical Engineering and Computer Sciences

WEBSITE www.albhu.com, www.github.com/alberthu16

TECHNICAL SKILLS Proficient: Python, Ruby, Java, SQL
Tools: Git, Trello, Pivotal Tracker, PyCharm, VirtualBox, Vim

WORK EXPERIENCE PROGRAMMER, Student Affairs Information Technology, Berkeley, CA *April 2014 - Present*

- Created email-parser using Python RegEx that resulted in a 70% decrease in report- processing time by logging and notifying residents of copyright infringement notices [**Django, PostgreSQL**]
- Maintained Django applications that manage internet access for 10,000+ UC Berkeley residents
- Collaborated with System Admins and Network Engineers to coordinate weekly product patches

CONSULTANT, Student Affairs Information Technology, Berkeley, CA *June 2013 - June 2014*

- Provided virus-removal, network configuration consulting covering 25,000+ Berkeley residents
- Ensured the security of students' private information through enforcing ResComp policies
- Led workshops to educate university students on mobile security practices and productivity apps

PROJECTS JACOBS INSTITUTE PROJECT PORTAL: <http://jortal.herokuapp.com> [**Ruby on Rails**] *Current*

- Planned and designed an online interface for professors to define submission requirements, and for students to submit final projects for display purposes
- Met biweekly with a non-technical client from the UC Berkeley Jacobs Institute to refine user stories and follow Agile development procedures
- Implemented models to organize Projects, Users, Submissions, and Requirements RESTfully

TAP IT!: <http://challengepost.com/software/tap-it> [**Java, Android Studio**] *February 2014*

- Developed Android event listener logic to interpret watch accelerometer data for hand motions
- Worked with a team of 3 people for 24 hours over a weekend to hack out this wearables game
- Explored alternate utilizations of gestures on wearables devices, such as dance tutorials

THETA TAU WEBSITE UPGRADE: calthetatau.com [**Ruby on Rails, d3.js**] *October 2014*

- Updated Heroku website built on Ruby on Rails with permissions in new user accounts
- Revised the application form model by reducing extraneous fields and tracing dependencies
- Redesigned display of lineage tree using d3.js data-visualization library

AUTOGRADER RESEARCH **Django, SQLite** *February 2014*

- Constructed project submission webapp to reduce grading time by 80% for MOOC course grading

DRAKE'S ADVICE WEBAPP: drakesadvice.herokuapp.com [**Flask, Python**] *October 2013*

- Combined Python scripts and SQLite database on a Flask framework to deploy Heroku app
- Wrote python script that pulls random lyrics from Drake's songs and displays them with accompanying Spotify search result

RELEVANT COURSEWORK

- Introduction to Artificial Intelligence
- Fundamental Data Structures
- Efficient Algorithms and Intractable Problems
- Computer Architecture
- Operating Systems
- Internet Architecture and Protocols

INTERESTS Basketball, News.ycombinator.com, Ukelele, Journaling, Music Festivals, Specubing
Go: Placed First, Second in U.S. Go Congress in 2008, 2009 (currently 1Kyu)