

Albert Hu

2415 Fulton St, Berkeley, CA 94704
(626) 376-5640, alberthu16@gmail.com

EDUCATION	University of California, Berkeley <i>Bachelor of Science, Electrical Engineering and Computer Sciences</i>	Expected May 2016
WEBSITE	www.albhu.com	
TECHNICAL SKILLS	Languages: Python, Java, SQL Tools and Frameworks: Android Studio, Django, Ruby on Rails, PyCharm	
WORK EXPERIENCE	ANDROID DEVELOPER, Quad, San Francisco, CA • Responsible for the creation of 100+ Android views, utilizing RxJava	August 2015 - Present
	SOFTWARE DEVELOPER INTERN, Salesforce, San Francisco, CA • Built Android App and REST API endpoint using OpenCV, Apex, and SOQL (Salesforce SQL) • Reduced testing time of badge swiping and cross-checking from 6 hrs to 30 mins	June 2015 - August 2015
	PROGRAMMER, Student Affairs Information Technology, Berkeley, CA • Decreased report processing time by 70% through Django email parsing • Re-designed and implemented search application for office inventory check-outs • Maintained Django, Perl applications that regulate internet for 10,000+ UC Berkeley residents	April 2014 - Present
PROJECTS	PORTING OZONE FROM IOS TO ANDROID [Android, Java] • Ongoing project to design and implement Android version of addictive mobile game	August 2015
	JACOBS INSTITUTE PROJECT PORTAL: <i>jortal.herokuapp.com</i> [Ruby on Rails] • 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	May 2015
	SYMMETRIC HASH JOIN [Scala, Apache Spark] • Implemented a hash join algorithm to asynchronously perform DNS lookups on IP requests • Handled large scale REST calls by improving on traditional OS threads using database join logic	March 2015
	TAP IT!: <i>challengepost.com/software/tap-it</i> [Java, Android Studio] • Developed Android event listener logic to interpret watch accelerometer data for hand motions • Explored alternate utilizations of gestures on wearables devices, like dance or self-defense tutorials	February 2015
	THETA TAU WEBSITE UPGRADE: <i>calthetatau.com</i> [Ruby on Rails, D3.js] • Updated Heroku website built using 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	October 2014
RELEVANT COURSEWORK	• Data Structures & Algorithms • Efficient Algorithms and/or Intractable Problems • Computational Photography	• Database Systems and Design • Internet Architecture and Protocols • Data Science
INTERESTS	Mentoring, Portrait Photography, Go, Speedcubing, Freestyle Rapping, Cooking, Basketball, Running	