

# NATHAN T. PHAM

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## EDUCATION

### University of California, Berkeley

Berkeley, CA

### Laney College

Oakland, CA

### B.S. Electrical Engineering and Computer Sciences

expected Dec 2017

### A.S. Mathematics | A.S. Computer Science

GPA: 4.0 | Jan 2012 - May 2015

## SKILLS

**Programming** Proficient (Java, Python), Intermediate (C, C++, Assembly (MIPS), Ruby, HTML, CSS, JavaScript, Ruby on Rails, jQuery, JSON, AngularJS, Node.js), Familiar (Swift, Android, SQL, Scheme, Shell/Bash, NumPy, Selenium, QUnit, Cucumber, Cordova)

**Applications** Git, Azure, Sublime Text, Vim, Xcode, Android Studio, MARS, Eclipse, NetBeans, IDLE, iPython, Visual Studio

**Operating Systems** Mac OS, Unix and Windows

**Others** Photoshop, Illustrator, InDesign, Video (Final Cut Pro), Audio (Logic Pro X, Cubase)

## EXPERIENCE

### Rakuten Software Engineer Intern

May 2016 - Present

San Mateo, CA Developed a HTML5/Hybrid Framework and Content Delivery Platform which allow web developers to quickly deploy and update contents for native iOS and Android applications  
- Received Tech Award at RAK-athon 2016 with **WebVR Café** project

### VMware Externship

Winter Break 2016

Palo Alto, CA Learned about software development collaboration tools and testing techniques.

### Registria Web Developer Extern

Spring Break 2016

Mountain View, CA Developed a photoregister web app for consumers to submit a photo or enter a code which will redirect them to their destination.

### EECS Department Academic Intern

Aug 2015 - Dec 2015

UC Berkeley Assisted 30+ students through labs and assignments in CS61A - a course on Structure and Interpretation of Computer Science. Debug, answer questions, and explain Unix commands and concepts in Python and Scheme to ensure maximum learning.

### Laney College Mathematics Tutor / Teaching Assistant

Aug 2013 - May 2015

Oakland, CA Tutored math for 40+ students in weekly lectures, one-to-one and group tutoring.  
Helped instructors manage lectures and explain concepts, guided students through online assignments during lab.

## PROJECTS

**VR Cafe** A web experimental VR Showcase Café with A-Frame.js that bring VR experience to the web.  
HTML, CSS, JavaScript, Node.js.

**Semi-Auto Car** Develop data processing and integration for this semi-autonomous car was controlled by recognizing commands when spoken to. Python, C.

**CPU Design** Designed a simple 32-bit two-cycle processor in Logisim to compatible with machine code outputs from MARS.

**MIPS Assembly** Implemented an assembler that translates MIPS instruction set to machine code in C, and linker to process object files and generate executable tables. C, MIPS, MARS.

**Version Control** Built a version control system called Gitlet that mimicked most of Git's local methods and features through implementation knowledge of ADT's, file reading/writing. Java.

**Gratitude Journal** Rails web application where users can post their daily gratitude publicly or privately to support their friends and live happier. Ruby, Bootstrap, jQuery, Ruby on Rails.