# Nathan T. Pham

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## Education

**University of California, Berkeley**
Berkeley, CA
B.S. **Electrical Engineering and Computer Sciences**
GPA: 3.8 | expected Dec 2017

**Laney College**
Oakland, CA
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, Xcode, Android Studio, Sublime Text, Vim, 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 allows 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** — **Externship** — *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** Built a web experimental VR showcase Café using A-Frame.js which brings VR experience to the web. HTML, CSS, JavaScript, Node.js.

**Semi-Auto Car** Developed 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** Developed a 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.