NATHAN T. PHAM

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EDUCATION

University of California, Berkeley
Berkeley, CA

B.S. **Electrical Engineering and Computer Sciences**
GPA: 3.3 | expected May 2017

Laney College
Oakland, CA

A.S. **Mathematics and 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, SQL, Scheme, Shell/Bash, NumPy)

Application Git, Sublime Text, Vim, Xcode, MARS, Eclipse, NetBeans, IDLE, iPython, Visual Studio

Operating System Mac OS, Unix and Windows

Other UI/UX (Adobe Creative Suite), Video (Final Cut Pro), Audio (Logic Pro X, Cubase, Pro Tools)

EXPERIENCE

Rakuten
San Mateo, CA

Software Engineer Intern — *May 2016 - Aug 2016*

Working with the mobile team to build a HTML5/Hybrid Framework which allow HTML5 developers to quickly build native applications for iOS and Android.
- Received Tech Award at RAK-athon 2016 with WebVR Café project

VMware
Palo Alto, CA

Software Engineer Extern — *Winter Break 2016*

Learned about software development collaboration tools and testing techniques.

Registria
Mountain View, CA

Web Developer Extern — *Spring Break 2016*

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

EECS Department
UC Berkeley

Academic Intern — *Aug 2015 - Dec 2015*

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*

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 labs.

PROJECTS

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.

Gitlet 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.

QuizSteve Web application to question people about Steve Jobs life and legacy to see if they are true fan of him. HTML, CSS, JavaScript, Bootstrap, jQuery, JSON, AngularJS.

Scheme Interpreter Implemented a Scheme interpreter to read scheme expressions. Python