

# Nathan T. Pham

San Francisco Bay Area, CA

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## EDUCATION

### University of California, Berkeley

— *B.S. Electrical Engineering and Computer Science*

Cumulative GPA: 3.6 / expected Dec 2017

Activities: Undergraduate Research Apprentice (URAP), Virtual Reality @ Berkeley Developer, SanDisk Scholar, V247 Telecom Scholar

### Laney College, Oakland, CA

— *A.S. Mathematics | A.S. Computer Science*

Department GPA: 4.0 / Jan 2012 - May 2015

Activities: Laney Coding Club, Math Tutor, AMATYC Contestant, APIASF Scholar

## EXPERIENCE

### Berkeley Institute for Data Science (BIDS), UC Berkeley

— *Research Assistant / Software Developer*

09/2016 — PRESENT

Developed computational tools and Python libraries such as numpy, scipy, scikit-image & scikit-learn as part of the BIDS Machine Shop project

### Rakuten USA, San Mateo, CA — *Software Engineer Intern*

05/2016 — 09/2016

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.

### VMware, Palo Alto, CA — *Externship*

Winter Break 2016

Learned software development tools and testing techniques.

### Registria, Mountain View, CA — *Externship*

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, CA — *Academic Intern*

08/2015 — 12/2015

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, Oakland, CA — *Math Tutor / TA*

08/2013 — 05/2015

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 lab.

## SKILLS

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

**Applications:** Git, Azure, Xcode, Vim, Android Studio, MARS, iPython, Visual Studio

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

**Others:** Circuit Designing / Analog Electronics, Graphic Design (<http://be.net/phamcse>), Video Editing, Sound Mixing (<http://bit.do/npham>), Bilingual (English, Vietnamese)

## PROJECTS

**VR Café:** Built a web experimental VR Showcase Café using A-Frame.js which brings VR experience to the web. *HTML, CSS, JavaScript, Node.js.* <https://eaglevision.herokuapp.com/>

**Semi-Auto Car:** Implemented data processing and integration for this semi-autonomous car being controlled by voice commands. *Python, C.*

**Personal Website:** Developed my website ([phamcs.com](http://phamcs.com)) using knowledge of web technologies and JavaScript libraries. *HTML, CSS, JavaScript, Bootstrap, jQuery.* <https://git.io/v6ptE>

**Gitlet:** Developed this version control system that mimicked most of Git's local methods and features through implementation knowledge of ADT's, file reading/writing. *Java.* <https://git.io/viQmo>

**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.*