Nathan T. Pham

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EDUCATION

University of California, Berkeley
— B.S. Electrical Engineering and Computer Science
Expected Graduation: 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)* 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.*