

# Christopher Nguyen

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## EDUCATION

**University of Hawaii at Manoa | Honolulu, HI**

**FALL 2014 - PRESENT**

Bachelor's in Computer Science with Minor in Business Administration

Projected Graduation: *Spring 2018*, Major GPA: 3.9, Cumulative GPA: 3.8

## WORK EXPERIENCE

**Oceanit Laboratories, Inc. | Network and Security Intern**

**Fall 2016 - Present**

- Built a 72" video wall system using open-source software, IP routing, and seven Raspberry Pis.
- Wrote Shell scripts for automated stress testing of the video wall's buffer size and heat tolerance.
- Conducted high-level network assessments for external clients and state agencies.

**Ditto | Software Development Engineering Intern**

**Fall 2015**

- Developed the website for Ditto, a social media startup in the Blue Startups Accelerator Program.
- Followed the scrum agile development methodology on a team of 5 using Git version control.
- Conducted extensive consumer research using AB testing and Google Analytics.

**Oceanit Laboratories, Inc. | Software Development Intern**

**Summer 2015**

- Refactored a mobile geographic information system (GIS) app that reduced the damage assessment time of disaster response units by 40% (4-5 hours) using the ArcGIS API.
- Developed a cross-platform Customer Relationship Management (CRM) app for iOS and Android using Cordova, Node.js, and Design Thinking to increase consultant and client interaction by 10%.

**Hawaii Department of Education | STEM Resource Mentor**

**Fall 2014 - Present**

- Collaborated with 28 schools in the Kaimuki-McKinley-Roosevelt Complex Area to develop a K-12 Computer Science curriculum with a focus on basic JavaScript and C for Arduino.
- Mentored students that totaled \$15,000+ in agency awards at the Honolulu District, Hawaii State, and Intel International Science and Engineering Fair.
- Recruited high-achieving students and networked them with external project mentors.

## PROJECTS

*(more at [chrisnguyenhi.github.io/projects](https://chrisnguyenhi.github.io/projects))*

**NATE (Need Assistance To Exercise)**

JavaScript, Facebook Messenger API

- Created a Facebook Messenger chatbot application using Node.js and Express to provide basic workout recommendations and tutorials for casual gym-goers.
- Used the Heroku Cloud Application Platform for hosting and deployment on the Messenger Platform.

**PIPE (Programming In Pure English) - Converting English-Language Sentences into Code**

C

- Created a console application to translate English-language sentences into C for Botball robotics.
- Awarded Best of Computer Science in the 2014 Honolulu District Science Fair.

## LANGUAGES AND TECHNOLOGIES

- **Programming (Proficient):** JavaScript, Java, PHP, HTML, CSS, SQL
- **Programming (Experience):** C, C++, Python, Swift
- **Libraries/Platforms:** jQuery, Node.js, Cordova, Meteor, OpenCV, Brunel, MySQL, Heroku, Git
- **Hardware and Networking:** Raspberry Pi, TCP/IP

References Available Upon Request