

Christopher Nguyen

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LinkedIn: chrisnguyenhi | **Github:** chrisnguyenhi | **Portfolio:** chrisnguyenhi.github.io

EDUCATION

University of Hawaii at Manoa | Honolulu, HI

Aug. 2014 - Present

Bachelor's in Computer Science with Minor in Business Administration

Projected Graduation: *Spring 2018*, Major GPA: 3.92, Cumulative GPA: 3.76

WORK EXPERIENCE

Oceanit Laboratories, Inc. | Network and Security Intern | Honolulu, HI

Nov. 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 (MB) and heat tolerance.
- Conducted high-level network assessments for external clients and state agencies.

Ditto | Front-End Development Intern | Honolulu, HI

Sept. 2015 - Feb. 2016

- 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 | Honolulu, HI

Jun. 2015 - Jul. 2015

- Refactored a mobile geographic information system (GIS) app that reduced the damage assessment time of disaster response units by 40% (4-5 hours) with 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%.
- Tested a 'deny all' browsing policy and documented potential issues prior to enterprise launch.

Hawaii Department of Education | STEM Resource Mentor | Honolulu, HI

Sept. 2014 - Present

- Collaborated with 28 schools in the Kaimuki-McKinley-Roosevelt Complex Area to develop and deploy a 21st century STEM curriculum that sparked a 48% student interest in STEM in 2016.
- Mentored students that totaled \$15,000+ in agency awards at the Honolulu District, Hawaii State, and Intel-sponsored International Science and Engineering Fair.
- Recruited high-achieving students and networked them with external project mentors.

PROJECTS

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

AIRIS (Application for Interactive Real-time Item Seeking)

C++, OpenCV

- Created a console application to track and pinpoint movement in real-time through a live camera feed.
- Received the 2016 UH Manoa Information and Computer Sciences Award and the 2016 Hawaii Academy of Science 3rd Place Category Award in Systems Software.

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

C

- Created a console application to translate English commands into C for Botball robotics.
- Received the 2014 UH Manoa Information and Computer Sciences Award and Best of Computer Science in the 2014 Honolulu District Science Fair.

LANGUAGES AND TECHNOLOGIES

- **Programming (Proficient):** JavaScript, Java, C++, PHP, HTML, CSS, SQL, Bash
- **Programming (Experience):** C, Python, Swift, C#, .NET
- **Libraries/Platforms:** jQuery, Node.js, Cordova, OpenCV, Brunel, Google Maps API, MySQL, Oracle, Git
- **Hardware and Networking:** Arduino, Raspberry Pi, TCP/IP

References Available Upon Request