

# CHRISTOPHER NGUYEN

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## AGILE | INNOVATION | GLOBAL CHANGE

A proven Scrum Master with technical development experience in leading complex large-scale projects that impact the world for NASA, IBM, and start-ups via undergraduate internships. Built a technical and project management reputation based on quality, flawless execution, and ability to deliver scalable solutions via "Sprint"/Agile process with the "Aloha Spirit."

## EDUCATION

### UNIVERSITY OF HAWAII AT MANOA

Honolulu, HI

#### COMPUTER SCIENCE

#### MINOR IN BUSINESS

#### ADMINISTRATION

Expected May 2018

Comp Sci GPA: 3.9 / 4.0

Cumulative GPA: 3.8 / 4.0

## SKILLS

### PROGRAMMING

Proficient:

JavaScript • Java • PHP •

HTML • CSS

Familiar:

C • C++ • Python • Shell

Tools/Libraries:

Node.js • Express • MySQL •

MongoDB • Ionic • Cordova •

Git • Swagger • Raspberry Pi

## PROJECTS

### HO'OKELE WAYFINDER

JavaScript, Node.js, Ionic

Ho'okele is a cross-platform app to enhance navigation and event-finding using crowd-sourcing & Google Maps. Won 1st at the Hawaii Annual Code Challenge Hackathon.

### PIPE

C++, C

PIPE is an application that translates English-language sentences to C code for Botball robotics.

Best in Computer Science at the 2014 Honolulu Science Fair.

## EXTRACURRICULARS

- Alexander Hamilton Scholar
- AFX Dance at UC Berkeley
- Vietnamese Student Organization at UH Manoa

## EXPERIENCE

### NASA | SPACE GRANT FELLOW

Expected Fall 2017 – Summer 2018 | Python

- Building a cloud infrastructure for scientists to query temperature data from the NASA Lunar Reconnaissance Orbiter to map potential ice deposits on the Moon.
- Reduced the runtime of I/O operations by 85% (6300 hours per year of data) using Pandas and Amazon EC2.

### IBM | SOFTWARE DEVELOPER INTERN

Summer 2017 | JavaScript, Node.js, HTML, CSS, Jenkins

- Automated the detection, sandbox, and build processes for third-party dependency updates in Watson Data Platform services using Node.js.
- Developed RESTful Express APIs to handle dependency version checks and documented them with Swagger for 8000+ Watson developers.
- Led a team of 4 through sprint plannings and daily standups as scrum master.
- Architected a blockchain solution to improve customer experience by validating the authenticity of ticket sales using Hyperledger Fabric.

### OCEANIT (DEFENSE ENGINEERING) | NETWORK SECURITY INTERN

Fall 2016 - Summer 2017 | Python, Shell

- Acted as an IT consultant for a government agency to upgrade the existing Windows infrastructure to improve workflow by 90% for a \$30M project.
- Built a video wall system after prototyping and conducting initial feasibility tests which led to a 97% cost reduction (\$58,000 in savings).

### DITTO (BLUE ACCELERATOR STARTUP) | SOFTWARE INTERN

Fall 2015 - Spring 2016 | Node.js, JavaScript, HTML, CSS

- Delivered a social media platform with 200+ users for Android and iOS using Meteor in pursuit of innovating a new way to connect people.
- Led project to redesign HTML website and developed a data-driven approach using AB testing and Google Analytics which led to a 90% user increase.
- Followed the scrum agile development methodology on a team of 7 engineers, designers, and marketers, meeting multiple stakeholder milestones.

### OCEANIT (DEFENSE ENGINEERING) | SOFTWARE DEVELOPER INTERN

Summer 2015 | JavaScript, Node.js, HTML, CSS

- Developed an internal Android and iOS Customer Relationship Management (CRM) app using Cordova and Design Thinking to increase client engagement.
- Refactored a cross-platform map app to support the government's ability to assess and respond to disasters (hurricanes, earthquakes, floods) with ArcGIS.
- Led intern school supply drive, raising \$300 for homeless children.

### HAWAII DEPARTMENT OF EDUCATION | STEM MENTOR

Fall 2014 - Fall 2017 | Curriculum Design

- Taught K-12 students and teachers C++ and JavaScript to cultivate STEM workforce development for the State of Hawaii.
- Mentored 2016 Intel International Science Fair 1st place recipient focused on improving Alzheimer's issues globally by imaging proteins on ImageJ.
- Recruited 30+ low-income students and networked them with external mentors.