Christopher Nguyen

Portfolio Website: chrisnguyenhi.github.io | LinkedIn: chrisnguyenhi
cnguyen7@hawaii.edu | PHONE NUMBER REDACTED

Program Management | Software Engineering | Curriculum Development

EDUCATION

UNIVERSITY OF HAWAII AT MANOA
Honolulu, HI
Computer Sciences
Minor in Business
May 2018
MAJOR GPA: 3.80 / 4.00
GPA: 3.75 / 4.00

SKILLS

PROGRAMMING
Proficient:
JavaScript • Java • HTML • CSS
Familiar:
C • C++ • Python • PHP

TOOLS & LIBRARIES
Node.js • Express • React
MySQL• MongoDB • Cordova
Git • Amazon Web Services

MANAGEMENT
Agile • Scrum • Waterfall

PROJECTS

WAYFINDER
JavaScript, Node.js, Ionic
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

Console application to translate English-language sentences to C code for Botball robotics.

Best in Computer Science at the 2014 Honolulu Science Fair.

INTERESTS

- Full-Stack Development
- Management Methodologies
- Design Thinking
- Product Marketing
- Computer Science Education

EXPERIENCE

NASA | Space Grant Fellow
Fall 2017 – Summer 2018 | Python, AWS
- Mapped potential ice deposits on the Moon using temperature data from the Lunar Reconnaissance Orbiter (LRO) which produces 7 billion lines of data daily.
- Reduced I/O operations by 85% (6570 hours per year of data) using Multiprocessing and Amazon EC2.
- Managed project timeline, scope, and cost to ensure quarterly deliverables.

OCEANIT (Defense Engineering) | Software Engineer Intern
Fall 2017 – Summer 2018 | Python, OpenCV
- Led team of seven to develop an inexpensive, AI camera system that improves annual coffee bean harvest yields by $250,000 using OpenCV.
- Built a OpenCV template matching application for UAV platforms to categorize and label infrastructure damage.
- Researched neuromorphic AI chip use-cases and technical solutions in partnership with Nepes (semiconductor corporation in South Korea).

IBM | Software Developer Intern
Summer 2017 | JavaScript, Node.js, HTML, CSS, Jenkins
- Automated the update detection and build processes for Watson Data Platform services to prevent breaking changes and reduce developer downtime.
- 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.

OCEANIT (Defense Engineering) | Information Technology 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%.
- Built a video wall system after prototyping and conducting initial feasibly tests which led to a 97% cost reduction ($58,000 in savings).

DITTO (Blue Startup) | Software Intern
Fall 2015 - Spring 2016 | Node.js, JavaScript, HTML, CSS
- Delivered a social media platform with 200+ users for Android and iOS and met multiple stakeholder milestones.
- Redesigned HTML website using a data-driven approach with AB testing and Google Analytics which led to a 90% user increase.

OCEANIT (Defense Engineering) | Software Developer Intern
Summer 2015 | JavaScript, Node.js, HTML, CSS
- Developed an 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.

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.
- Recruited 30+ low-income students and networked them with external mentors.