

Christopher Nguyen

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EDUCATION

UNIVERSITY OF HAWAII AT MANOA

BA IN COMPUTER SCIENCES
MINOR IN BUSINESS

ADMINISTRATION

Honolulu, HI

Expected May 2018

Dean's List (All Semesters)

Major 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/Lib:

Node.js • MySQL • MongoDB •

Cordova • Git • Raspberry Pi

PROJECTS

NEED APP TO EXERCISE

JavaScript, Node.js

NATE is a Facebook Messenger chatbot that recommends basic workout routines to novice gym-goers.

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.

EXTRACURRICULAR

International Volunteer for CCS
Vietnamese Student Org. at UH
AFX Dance at UC Berkeley

EXPERIENCE

NASA | SPACE GRANT CONSORTIUM FELLOW

Expected Fall 2017 – Summer 2018 | Python, Hadoop

- Building a cloud-based service to host and process lunar temperature data from the NASA Lunar Reconnaissance Orbiter on the Moon.
- Produced a map of the 'potential sublimation rate' for certain regions of the Moon to visualize and identify potential ice deposits.

IBM | SOFTWARE DEVELOPER INTERN

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

- Developed a dependency detection microservice to automate the update, sandbox, and build processes for Watson Data Platform services.
- Wrote RESTful APIs for the dependency detection microservice and documented them using Swagger.
- Led a team of four through daily standups and playbacks as scrum master for two week sprints.
- Worked collaboratively with international development groups to complete testing and quality assurance on two major releases.

OCEANIT | NETWORK SECURITY INTERN

Fall 2016 - Summer 2017 | Python, Shell

- Built a 72" video wall system using open-source software, IP routing, and seven Raspberry Pis.
- Wrote scripts to generate automated alerts of the video wall's energy consumption and heat levels for each Raspberry Pi.
- Conducted high-level network assessments for external clients and state agencies

DITTO | SOFTWARE INTERN

Fall 2015 - Spring 2016 | JavaScript, HTML, CSS

- Developed the website for Ditto, a social media startup in Blue Startups (a top 20 accelerator program in the US).
- Conducted extensive research using AB testing and Google Analytics of user behavior and user experience.

OCEANIT | SOFTWARE DEVELOPER INTERN

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

- Developed an Android and iOS Customer Relationship Management (CRM) application using Cordova and Design Thinking to increase client-consultant engagement.
- Refactored a mobile geographic information system (GIS) application to include a parcel data extraction feature using the ArcGIS API.

HAWAII DEPARTMENT OF EDUCATION | STEM MENTOR

Fall 2014 - Fall 2017

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