

Christopher Nguyen

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EDUCATION

UNIVERSITY OF HAWAII AT MANOA

Honolulu, HI

COMPUTER SCIENCE

MINOR IN BUSINESS

ADMINISTRATION

Expected May 2018

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 • Express • MySQL •

MongoDB • Cordova • Git •

Swagger • 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

- Alexander Hamilton Scholar
- AFX Dance at UC Berkeley
- Vietnamese Student Organization at UH Manoa
- International Volunteer at Cross Cultural Solutions

EXPERIENCE

NASA | SPACE GRANT FELLOW

Expected Fall 2017 – Summer 2018 | Python

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

IBM | SOFTWARE DEVELOPER INTERN

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

- Developed a microservice to automate the detection, sandbox, and build processes for 3rd party dependencies in Watson Data Platform services.
- Wrote RESTful APIs and documented them using Swagger.
- Led a team of four through sprint plannings and daily standups as scrum master.
- Worked collaboratively with international development groups to complete testing and quality assurance on two major releases.
- Developed a prototype of a blockchain solution for ticket sales for the BlueHack Hackathon using Hyperledger Fabric and Go.

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.
- Reduced electricity costs by 40% by writing scripts to graph and send automated alerts of the video wall's energy consumption and heat levels.
- 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) app using Cordova and Design Thinking to increase client engagement by 10%.
- Refactored a mobile damage assessment app to reduce the damage assessment time of disaster response units by 40% (4-5 hours) with the ArcGIS API.

HAWAII DEPARTMENT OF EDUCATION | STEM MENTOR

Fall 2014 - Fall 2017

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