# 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 Agile sprint plannings and daily standups as scrum master.
- Collaborated with international developers for 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.
- 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.