

# Christopher Nguyen

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## EDUCATION

### UNIVERSITY OF HAWAII AT MANOA

Fall 2014 – Spring 2018

Bachelor's in Computer  
Sciences

Minor in Business  
Administration

Major GPA: 3.9 / 4.0

Cumulative GPA: 3.8 / 4.0

## SKILLS

Proficient:

- JavaScript
- Java
- PHP
- HTML/CSS
- SQL

Experience:

- C/C++
- Python
- Swift

Tools/Libs:

- Node.js
- Cordova
- MySQL
- Git/Github

## PROJECTS

### Need App To Exercise

JavaScript, Node.js, Express  
Facebook Messenger chatbot  
that recommends  
workouts for casual gym-  
goers.

### Program In Pure English

C/C++  
Program to translate English  
sentences to C code for  
Botball Robots.

## EXPERIENCE



### NASA | Hawaii Space Grant Consortium Fellow

Summer 2017 - Present | Python, Shell

- Building a cloud-based data processing architecture to host satellite data from the NASA Lunar Reconnaissance Orbiter.
- Identifying potential ice deposits by producing a map of the 'potential sublimation rate' of certain regions of the Moon.



### IBM | Software Development Intern

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

- Developing a dependency detection framework to automate the update and build process of 3<sup>rd</sup> party packages in Watson Data Platform services.
- Led team of 4 following the scrum agile development methodology through daily standups and 2 week sprints as scrum master.
- Worked collaboratively with international development groups to complete comprehensive testing and quality assurance on 2 major releases.



### OCEANIT | Network Security Intern

Fall 2016 – Spring 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 Development Intern

Fall 2015 | 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 consumer research using AB testing, focus groups, and Google Analytics of user behavior.



### OCEANIT | Software Development Intern

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

- Developed an iOS and Android Customer Relationship Management (CRM) app using Cordova, Node.js, and Design Thinking.
- Refactored a geographic information system (GIS) app to include a parcel data extraction feature for damage assessments.



### HAWAII DEPARTMENT OF EDUCATION | STEM Mentor

Fall 2014 – Present |

- Developed K-12 Computer Science curriculum in collaboration with 28 schools in the Kaimuki-McKinley-Roosevelt Complex Area.
- Recruited and mentored students for the Honolulu District, Hawaii State, and Intel International Science and Engineering Fairs.