

Christopher Nguyen

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EDUCATION

University of Hawaii at Manoa - Honolulu, HI

Fall 2014 – Spring 2018 (Expected)

Bachelor's in Computer Sciences and Minor in Business Administration

Major GPA: 3.92, Cumulative GPA: 3.78

WORK EXPERIENCE

NASA | NASA Space Grant Consortium Fellow | Python

Fall 2017 – Present

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

IBM | Software Development Intern | JavaScript, Node.js, HTML/CSS

Summer 2017

- Developing a dependency detection framework to automate the update and build process of 3rd 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 for the Watson Data Science Experience environment.

OCEANIT | Network and Security Intern | Python, Shell

Fall 2016 – Summer 2017

- 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.
- Conducted high-level network assessments for external clients and state agencies.

DITTO | Software Development Intern | JavaScript, HTML/CSS

Fall 2015 – Spring 2016

- Developed the website for Ditto, a social media startup in the Blue Startups Accelerator Program.
- Conducted extensive consumer research using AB testing and Google Analytics of user behavior.

OCEANIT | Software Development Intern | JavaScript, HTML/CSS

Summer 2015

- Refactored a geographic information system (GIS) app to include a parcel data extraction feature for damage assessments using the ArcGIS API for JavaScript and ArcGIS Online.
- Developed a cross-platform Customer Relationship Management (CRM) app for iOS and Android using Cordova, jQuery, and Design Thinking.

HAWAII DEPARTMENT OF EDUCATION | STEM Mentor |

Fall 2014 – Present

- 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.

LANGUAGES AND TECHNOLOGIES

- **Programming (Proficient):** JavaScript, Java, PHP, HTML/CSS, SQL
- **Programming (Experience):** Python, Swift, C, C++, C#
- **Tools/Libs:** Node.js, Cordova, Meteor, MySQL, MongoDB, Bluemix, Heroku, AWS, Git/Github
- **Networking/Hardware:** Raspberry Pi, Wireshark, TCP/IP

References Available Upon Request