

Moana Kahurangi

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Education

- University at Albany, State University of NY | Expected Graduation: May 2022
 - Bachelor of Science in computer science and applied mathematics
 - Data analytics concentration
 - Dean's List Fall 2018, Spring 2019, Fall 2019, Spring 2020
 - 3.90 Cumulative GPA

Skills

- Object oriented design principles, design and analysis of algorithms and data structures
- Java, C, JavaScript, Python, C++, Ruby, PHP, R, HTML, CSS
- React.js, Pandas, Numpy
- IntelliJ IDEA, Atom, Android Studio, Eclipse, Notepad++, XCode, Visual Studio Code
- MacOS, Windows, Linux

Experience

- UbiNET/DMM Labs, University at Albany, Albany, NY June 2020 – Present
Undergraduate Research Assistant
 - Studied the viability of television white space networks for internet access to improve emergency communications in rural areas. Used Python and Java.
 - Mined large data sets to find trends in byte transmission and signal strength.
 - Created new UI features in an emergency preparedness app.
- U.S. Department of Justice, Albany, NY June 2019 – August 2019
Student Workforce Trainee
 - Designed and debugged a website to assist cyber and white-collar crime investigations, enabling the FBI to enumerate several criminal bank accounts. Used JavaScript, PHP, HTML, and CSS.
 - Programmed scripts to parse legal returns to find and output identifiable information into spreadsheets, saving days of work for agents. Used Ruby.
- Fleet Feet Albany, Albany, NY July 2018 – Present
Fit Specialist

Individual Projects

- Pong
 - Created a spinoff of the video game Pong that includes features like enemies and rotating paddles by implementing the separated axis theorem and a collision detection algorithm. Used Java and the JavaFX libraries.
- Animal Crossing Index
 - Created a web app that indexes fish and bugs players can find in the video game Animal Crossing by implementing a sorting algorithm. Used React.js.

Extracurricular Activities

- President: University at Albany Running Exchange Feb 2019 – Present
 - Hosts one- to two-hour practices Monday-Friday, maintains club budget and Instagram page, delegates tasks to other officers, and presides at club meetings.
- Secretary: University at Albany IEEE March 2020 – Present
 - Records all meeting minutes and keeps all club records, creates posters and flyers for all events, hosts workshops, and submits student branch reports to the national IEEE organization in a timely manner.