

Ryan Nguyen

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Education

University of Virginia
*Bachelors of Science, Computer Science*Charlottesville, VA
Expected May 2027

University of Hawaii at Manoa
*Undergraduate Engineering*Honolulu, HI
August 2021 – December 2022

- GPA: 4.0/4.0
- Relevant courses: Calculus I, Calculus II, Calculus III & IV

Roosevelt High School
*High School Diploma*Honolulu, HI
August 2019 – May 2023

- GPA: 4.367/4.0
- Relevant Coursework: AP Research, AP Computer Science A, AP Calculus BC, AP Physics C, AP US History, AP World History, AP Seminar, AP Chemistry, AP Environmental Science, AP Economics, AP Psychology

Skills

C (Programming Language), Python, Internet of Things (IoT), Machine Learning Algorithms, Electronic Circuits, 3D Computer-Aided Design (3D CAD), Data Analysis, Analytical Skills, Microsoft Office

Personal Projects

Personalized machine learning algorithm to predict an amount of rainfall when given metrics such as temperature, humidity, and trends in the local region.

- Also created a data compilation tool used to gather historical weather data to use for training the neural network

Conventional toaster oven converted into a smart device which could be used with an assistant like Amazon Alexa to turn on/off for a period

Frontend interfaces such as websites, client user interfaces (UIs), and other miscellaneous web design

3D Printed Items - Drafting and Design

- Wooden cart with marble countertop on wheels (Fusion360)
- Functional cog assembly to demonstrate variable gear ratios (Fusion360)

Experience

Roosevelt High School STEM ClubHonolulu, HI
April 2022 – May 2023
Vice President

- Organized/oversaw hackathons and competitions for members of the club
- Held after school class sessions to educate members on C++, robotics, and web design
- Managed other club officers to ensure duties were performed, and reported to the club president

Math TeamHonolulu, HI
August 2022 – May 2023
Member

- Attended club meetings three times per week and collaborated with teammates
- Competed as one team in regional and district math competitions against other schools