

Preston Garcia

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WORK EXPERIENCE

Research Corporation of the University of Hawaii (RCUH)

Oct. 2023 – Present

Data Scientist

Kihei, HI

- RCUH is a State agency attached to the University of Hawaii for administrative purposes. RCUH manages the Maui High Performance Computing Center, one of the five DoD Supercomputing Resource Centers in the DoD's High Performance Computing Modernization Program.
- As a data scientist, I spearheaded many machine learning and data analysis efforts within multiple projects. Many disciplines would be demonstrated through my projects, such as image processing and anomaly detection.
 - **Stack:** Python; Pytorch; Sklearn; Git; Pandas; Matplotlib; SLURM; SQL; Linux; Java

University of Hawaii at Manoa (UH Manoa) College of Engineering (CoE)

Sep. 2021 – Aug. 2023

Data Scientist

Honolulu, HI

- The UH Manoa CoE houses many engineering labs, one of which being the Jacobs Traffic and Transportation Lab, which had been upgraded during my time within a \$700k in industry contributions effort.
- Research efforts were led to compare travel patterns within simulated autonomous rideshare systems to compare to real travel patterns as well as simulations of the developing Hawaii skyline.
 - **Stack:** Python; Numpy; Git; Matlab; ArcGIS

Leeward Community College (LCC) Math Lab

Oct. 2019 – Aug. 2021

Math Tutor

Pearl City, HI

- Tutor students in Math courses from Algebra to Calculus IV.
- Work online through Zoom to comply with COVID-19 lockdown.

LCC Learning Resource Center

Sep. 2019 – Aug. 2021

Content Tutor

Pearl City, HI

- Tutor students in Computer Science, Chemistry, and Japanese. Organize study sessions with professors.
- Work online through Zoom to comply with COVID-19 lockdown.

EDUCATION

University of Hawaii at Manoa

May, 2023

Bachelor of Science, Computer Science - Data Science Track

Honolulu, HI

- **GPA:** 3.47/4.0
- Minor in Mathematics; Undergraduate Research Opportunities Scholar; ICSpark Lecturer and President

Leeward Community College

May, 2021

Associate of Science, Natural Science - Information and Communication Technologies Focus

Pearl City, HI

- **GPA:** 3.97/4.0
- General Honors; Phi Theta Kappa Honors; Phi Theta Kappa President and General Officer.

CERTIFICATIONS, SKILLS & INTERESTS

- **Certifications:** Security+ (In Progress)
- **Skills:** Machine Learning; Data Analysis; Data Visualization; Programming; Mathematics; Research; Mentoring
- **Interests:** Atmospheric Sciences; Machine Learning; Cooking; Music

REFERENCES

Available Upon Request.