

Robin Chartrand

Undergraduate Student

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RESEARCH

Ocean Dynamics Lab, Seattle, WA – Research Assistant

May 2022 - Present

- ❖ Developed GUI with Python Kivy library:
 - Making transects across oceanographic features in images and NetCDF files
- ❖ Studying submesoscale filaments and their progression through time and space in modeled ocean data

SKILLS

Python
Java
Microsoft Office

EXPERIENCE

UbiQD, Los Alamos, NM – Intern

May 2021 - Aug 21

- ❖ Developed internal research application (GUI) with Python Kivy library:
 - Modeled incoming solar spectrum based on time, location, and atmospheric conditions.
 - Predicted changes in spectra through intermediate materials
 - Exported data as Excel sheets and CSV files with Pandas library.
 - Extracting and working with atmospheric measurements from scientific databases (NetCDF files)
- ❖ Created GUI that generated personalized informational PDFs for clients
- ❖ Developed a python program that created choropleth maps for various parts of the world using CSV and GeoJSON files.
- ❖ Gave a weekly presentation on project status to the department and a final presentation to company at end of internship

LANGUAGES

English – Native Speaker

Spanish – 6 years of study, Conversational Fluency

EDUCATION

University of Washington, Seattle, WA — Sophomore

Sep 2021 - Present

- ❖ Second year undergraduate student interested in computer science and related fields. Two completed quarters with a 3.6 overall GPA.
- ❖ Completed Intro to CS course sequence (2 courses on Java programming)

Los Alamos High School, Los Alamos, NM — Graduated

Aug 2017 - May 2021

- ❖ Graduated with a 4.3 weighted GPA and with college credit in 13 subjects through the Advanced Placement program.