

KATHERINE L. POMMERENING

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EDUCATION

Dartmouth College

Bachelor of Arts; Major in Physics, Minor in Computer Science
GPA: 3.96; Department GPA: 4.0

Hanover, NH
2021-2025

The Potomac School

Science Award, to the senior that demonstrated outstanding scientific achievement, 2020.
3rd Place Environmental Science Research, National Junior Humanities and Science Symposium, 2020.
GPA: 3.93 UW

McLean, VA
2016-2020

SKILLS

Programming: Python 2, 3
Software & Tools: Adobe Creative Cloud Suite, Microsoft Office, Google Workspace, Jupyter, Anaconda, Atom, VSCode, GitHub, HTML, CSS

RELEVANT EXPERIENCE

Lynch Rocket Lab, Dartmouth College, Hanover, NH

Research Intern

January 2022 - Present

- Contributing to physics lab focused on the structure and dynamics of the auroral ionosphere.
- Collaborating with the rocket subgroup, which conducts data analysis and visualization in Python 2 and 3.
- Analyzing flight data from NASA's Cusp Region Experiment-2 (CREX-2) and Loss through Auroral Microburst Pulsations (LAMP) missions.
- Conducting research cited in upcoming thesis proposal.

TAMID Tech Track Machine-Learning Project, Dartmouth College, Hanover, NH

Software Developer

April 2022 - June 2022

- Developing machine-learning and data science projects for a startup partnered with the TAMID Tech Track.
- Collaborating in small groups in Python 3.

Introduction to Web Development Course, DALI Lab, Dartmouth College, Hanover, NH

Student

Sept 2021 - Nov 2021

- Learned basic internet infrastructure and how to code a website using VSCode hosted on Github.
- Gained basic knowledge in HTML, CSS, and JavaScript.

AIRPHX, McLean, VA

Marketing Associate

October 2020 - April 2021

- Assisted with research in proprietary non-thermal plasma company to improve the product.
- Interfaced with clients via email/phone about orders and product information.

OTHER EXPERIENCE

Starbucks, McLean, VA

Barista

August 2020 - March 2021

- Provided excellent customer service; opened and closed the establishment.

Cypress Fitness, McLean, VA

Receptionist

April 2019 - March 2020

- Managed all gym appointments and accounts.
- Set up consultations between clients and trainers; matched clients with trainers based on needs.

Children's Science Center, Fairfax, VA

STEMtender

June 2018 - August 2019

- Summer intern, 2018; one of two interns hired for a paid position after the internship.
- Worked in all areas of the Center and created an exhibit about general and special relativity.

OTHER EXTRA-CURRICULARS & HOBBIES

Member of the Society of Women Engineers (2021-Present).

Photographer for Friday Night Rock (2021-Present).

Member of Photography Club (2021-Present).

Freelance photographer for small businesses (2020-Present).

Avid skier and longboarder who loves the outdoors.