

KATHERINE L. POMMERENING

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EDUCATION

Dartmouth College, Hanover, NH

June 2025

Bachelor of Arts; Major in Computer Science Modified with Physics

GPA: 3.93/4.0

Relevant Coursework: Object-Oriented Programming, Full-Stack Web Development, UI/UX Design

Honors & Awards: Citation for Academic Excellence in Full-Stack Web Development

The Potomac School, McLean, VA

June 2020

Honors & Awards: Schoolwide Science Award, 3rd Place in JSHS National Symposium

GPA 3.93

ACT Score: 35

Activities: YouToo Tennis Leader, Math Team, Robotics Team Leader, SERC Program

RELEVANT EXPERIENCE

Object-Oriented Programming, Hanover, NH

March 2023-Present

Teaching Assistant

- Holds bi-weekly office hours for students to get help with assignments.
- Leads weekly recitation sessions to assist students with assignments and course content comprehension.
- Grades assignments and tests promptly providing individualized student feedback.

Lynch Rocket Lab, Hanover, NH

January 2022-Present

Research Assistant

- Develops data visualization in Python 2 and 3 to model auroral behavior from the perspective of a sounding rocket.
- Analyzes flight data from NASA's Cusp Region Experiment-2 (CREX-2) and Loss through Auroral Microburst Pulsations (LAMP) missions to better understand auroral activity.
- Conducted research on the LAMP mission cited in upcoming thesis proposal.

Aegis Mobile, Rockville, MD

June 2022-February 2023

Intern

- Developed data science algorithms for various companies utilizing R and Python.
- Collaborated with team members to research and make inventory and financial strategic recommendations to clients

Dartmouth Tech Consulting, Hanover, NH

March 2022-November 2022

Developer

- Developed machine-learning algorithms startups to provide important company metrics.
- Collaborated in a group of students to troubleshoot algorithms and refine deliverables.

PROJECTS

Portfolio Website (kpomm.me)

July 2023-Present

- Designed and developed a comprehensive portfolio site with React to display my photography, coding endeavors, and design projects to a public audience.
- Adapted a prior personal design on HTML and CSS to utilize React components to expand the functionality of the site.

MeU

May 2023-July 2023

- Collaborated in a small group to design and program an app to facilitate long distance relationships.
- Developed frontend components in React Native and Expo that use APIs in order to provide the user with important information about their partner.
- Presented work at the annual Technigala and continued development afterwards to ultimately deploy the app on the App Store.

SKILLS & INTERESTS

Technical:

React, React Native, HTML, CSS, Javascript, SQL, Java, Python

Software & Tools:

Adobe Creative Cloud Suite, Microsoft Office, Google Workspace, Anaconda, GitHub, Firebase, MongoDB, Figma

Additional:

Skiing, Photography

ADDITIONAL EXPERIENCE

Freelance Photography, Hanover, NH

March 2022-Present

Photographer

- Creates marketing photographs for Dartmouth clubs and organizations to support social media and advertising presence.
- Creates formal event image-sharing albums for Dartmouth social clubs.