

# 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.