

NICHOLAS CARABIO

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EDUCATION

Eberly College of Science, Pennsylvania State University

Bachelors of Science in Mathematics (Graduate Study Option), Minor in Physics

2023-2027

- GPA: 3.61/4.00.

Relevant Coursework: Object-Oriented Programming, Systems Programming, Ordinary and Partial Differential Equations, General Physics I-IV

RESEARCH / PROJECTS

From Theory to Code: Visualizations of Discrete Mathematics

- Honors option project supervised by Georgios Eleftherakis, Associate Professor of Computer Science, for the spring 2025 semester.
- Built a library of software with Java and JavaFX to visualize and make accessible abstract concepts of discrete mathematics.
- Completed formalization and literature of the course curriculum.

EXPERIENCE

Regal Cinemas

Floor Staff

2022-2025

- Responsible for customer service and building maintenance tasks.
- Cooperated with coworkers to create an enjoyable moviegoing environment.
- Communicated issues between customers and management.

HONORS

Jane E. Cooper Honors Scholar

- Member of the Penn State Brandywine honors program from 2023 to 2025.
- Selected to present my speech for a public speaking course at the fall 2023 Honors Symposium.

TECHNICAL SKILLS

Programming Languages: Python, Java, C
Developer Tools: Git, UNIX
Markup Languages: \LaTeX , Markdown

Microsoft Office Suite: Microsoft Word, Microsoft Excel, Microsoft Powerpoint, Microsoft Teams
Adobe Creative Cloud: Adobe Photoshop, Adobe Premier Pro, Adobe Illustrator