

A. Kyle Crosby

454 Dunne Hall, Notre Dame, IN 46556

acrosby2@nd.edu

413-404-3778

Profile

Second-year computer science major at the University of Notre Dame, creative problem-solver with a strong work ethic, motivated to learn new skills in computer programming to solve problems in a variety of industries.

Skills Summary

- Fluent in Python and C, intermediate experience with Java programming languages
- Highly experienced with Microsoft Excel and Office software (Google Suite, Microsoft Office)
- Highly experienced in mathematics (Linear Algebra, Math Reasoning)
- Experience in a variety of leadership roles

Education

University of Notre Dame

- Major: Computer Science (GPA: 3.88), Graduating May 2026
- Relevant Coursework: Data Structures, Logic Design, Fundamentals of Computing, Engineering Design, Engineering Computing (data visualization in Python), Math Reasoning

Amherst Regional High School

- GPA: 3.98 (unweighted)
- Relevant Coursework: CAD and Technical Drawing, AP Computer Science A (self-studied)

Computer Science Work Experience

Research Assistant to Dr. Nitesh Chawla

February 2023 – Present

Lucy Family Institute for Data and Society at the University of Notre Dame

- Reorganizing database for the Hospital Infantil de México, Federico Gómez project using Python, Flask, PostgreSQL, and DBeaver. Working 10 hours per week in academic and summer terms.

Intern in the Laboratory of Dr. Joonkoo Park

June – August 2022

Psychology Department, University of Massachusetts, Amherst

- Coded in Python primarily with the PsychoPy library to build several human number perception experiments. Coded in MATLAB to process and analyze data. Reviewed scientific papers to implement previous experiments.

Intern in the Office of Senator Jo Comerford

September – December 2020

- Initiated and developed Python-coded software to automate email filing and database population for the Senator and her colleagues.

Intern on Natalie Cline's 2020 Congressional Campaign

June – September 2020

- Developed Python code to web-scrape information on the opposing candidate, searching Twitter, Facebook, and various local West Virginia News Sites. Wrote a program to compile a database of the opponent's complete congressional voting record.

Other Work Experience

Tutor for Engineering Physics 1: Mechanics

September 2023 – Present

UMass IT Network Operations Team

June – August 2023

Owner of Lawn Mowing Business

April 2018 – September 2022

Cinemark Hadley

March – August 2022

Awards and Honors: Notre Dame Dean's List (Spring 2023), Eagle Scout (2022), National Honor Society (2019-2022), Big Y Scholarship (2022), Amherst Rotary Club Scholarship (2022)

Other Activities: Notre Dame Class Council, Varsity Alpine Ski Team Captain, Model UN Club President