

Thomas Conrad

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OVERVIEW

Aspiring full stack developer with an interest in machine learning and software development for autonomous systems. My coursework has given me a strong foundation in modern programming practices and relevant ethical approaches to autonomous system design, allowing me to understand both the technical and moral aspects of algorithm development.

EDUCATION

University of Maryland

Computer Science - Sophomore

GPA: 3.765

College Park, MD

Graduating May 2027

Relevant Coursework: Object Oriented Programming I & II, Calculus II, Systems Programming, Ethics of AI, Discrete Structures, Calculus III, Organization of Programming Languages, Algorithms

WORK EXPERIENCE

Code Wizards

Programming Instructor

Austin, TX

June 2023 - Oct 2023

- Taught programming fundamentals in Python to 6 classes concurrently
- Graded, evaluated, and debugged code for 30 different students
- Recorded academic performance and applied this information to better help students

American Indian Education Program

Tutor

Rockville, MD

May 2024 - July 2024

March 2022 - April 2023

- Taught programming, mathematics, 3D modeling, history, and English to marginalized students

SKILLS

- Proficiency and experience with software development in an academic context with Java, Python, C, and C++, using version control tools such as Git, and relational databases with MySQL.
- Experienced in developing software on Windows, Linux and Unix-like operating systems.

LEADERSHIP EXPERIENCE & ACTIVITIES

National Technical Honors Society

Chapter Secretary

Potomac, MD

Nov 2022 - June 2023

- Organized meetings and distribution of materials
- Communicated with students and faculty about management of the organization and the needs of the group

WCHS Game Development Club

President

Potomac, MD

Sept 2022 - June 2023

- Created and executed lesson plans focusing on efficient and reusable code
- Taught programming and design concepts applicable to the field of game development

AWARDS AND RECOGNITIONS

- Dean's List (all semesters)
- Participant, Career Launch Program: producing a full-stack web app (*Nov 2023 - Feb 2024*)
- American Computer Science League Finalist (*2022 & 2023*)
- RIT Innovation and Creativity Award (*Spring 2022*)