# Thomas Conrad

College Park, MD | thomaswconrad2004@gmail.com | 301-233-5984 | linkedin.com/in/twc-dev | thomasconrad.dev

Award-winning Computer Science student at the University of Maryland with a passion for machine learning and software development. Experienced in designing algorithms that balance performance and accuracy. I am particularly interested in modern programming paradigms and relevant ethical approaches to autonomous system design.

## EDUCATION

**University of Maryland** **College Park, MD**

*Computer Science - Junior* *Anticipated Graduation, May 2027*

**GPA:** 3.70

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

## SKILLS

- High level proficiency with software development in Java, JavaScript/TypeScript, Python, C, and C++
- Well versed in version control tools including GIT and relational databases with MySQL.
- Experienced in developing for Windows, Linux and Unix-like operating systems.

## WORK EXPERIENCE

**Code Wizards** **Austin, TX**

*Programming Instructor* *June 2023 - Oct 2023*

- Taught programming fundamentals in Python to 6 classes concurrently
- Graded, evaluated, and debugged code for 30 different students
- Monitored academic progress and applied insights to enhance student success strategies

**American Indian Education Program** **Rockville, MD**

*Tutor* *May 2024 - July 2024*

- Mentored marginalized students on a wide range of subjects including programming, mathematics, history, and English.
- Maintained and kept inventory of thousands of dollars of STEM education equipment

## PROJECTS

**AI Integrated Full Stack Storytelling App**

- Designed and developed a unique TTRPG emulation platform leveraging locally hosted open-source LLMs, custom tooling, React, and MongoDB
- Initiated and executed an independent marketing campaign, including a feature-focused website (https://playwithwyvern.com/) to showcase current and planned functionality

**Ethical Shopping App**

- Developed a demo mobile application to promote ethical shopping practices and consumer awareness, as part of UMD's 2023–2024 Career Launch Cohort, utilizing the React Native UI framework

**Parallel Process Research**

- Led a team of four students to develop, test, and present a working example of parallel processing as a tool for efficient computation

## Awards

Dean’s List, Awarded All Semesters, Fall 2023-Spring 2025

RIT Innovation and Creativity Award in Computing, 2022