

Andrew (Andy) Pavlosky

(240) 393-1575 · apavlosky149@gmail.com

github.com/andrue-pabloske/ · andrue-pabloske.github.io/

EDUCATION

University of Maryland, College Park | College Park, MD

Expected May 2025

BS, Computer Engineering

BS, Mathematics

- GPA: 4.00/4.00
- Relevant Coursework: Advanced Calculus, Advanced Data Structures, Computer Graphics, Computer Organization, Programming Languages, Theory & Methods of Statistics, Combinatorics & Graph Theory

SKILLS

Programming Languages: Java, Python, C/C++, MATLAB

Tools & Frameworks: Git/GitHub, Visual Studio, VSCode, Eclipse

Hardware: Arduino, Soldering, 3D Printing

EXPERIENCE

University of Maryland, College Park | College Park, MD

Aug. 2023 - Present

Computer Science Teaching Assistant

- Support students' learning in courses such as Data Structures and Discrete Mathematics
- Encourage student engagement through weekly discussions and office hours

National Institute of Standards and Technology (NIST) | Gaithersburg, MD

June - Aug. 2023

Lab Automation Intern

- Implemented hardware-controlled test automation for long-term reliability of power electronic devices
- Designed and assembled printed circuit boards (PCBs) for measurement circuitry interface
- Designed microcontroller architecture and wrote interface/control software using Arduino, SPI, I²C, and WebSockets

PROJECTS

Data Extraction Over-Terrain Vehicle | <https://github.com/andrue-pabloske/Data-Extraction-F22>

- Worked with team of 7 other students to create autonomous vehicle to complete mission objectives including reading duty cycle of PWM signal, detecting magnetism of a material, and navigating through an obstacle course
- Implemented modules to interface with vehicle sensor suite and navigation algorithms in Arduino
- Designed and assembled electronics system to drive vehicle propulsion and control data collection