Kevin Sisk

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EDUCATION

Swarthmore College, Swarthmore, Pennsylvania — Expected Graduation May 2028
Dual Degree in Engineering and Computer Science (Bachelor of Science)

Relevant Coursework: *Several Variable Calculus, Computer Engineering Fundamentals, Electrical Circuit Analysis, Data Structures and Algorithms, Intro to Computer Systems, Artificial Intelligence*

Reservoir High School, Fulton, Maryland — August 2020 - May 2024

Awards*: GT Advanced Research Senior of Distinction, Reservoir High School Leadership Recognition Award*

WORK EXPERIENCE

Johns Hopkins University Applied Physics Lab, *ASPIRE Intern*, Laurel, Maryland — September 2023 - May 2024
- Built and programmed the Simulator Controlled Robotic Arm Prototype (SCRAP)
- Integrated robotic simulations and microcontroller programming to achieve precise robotic motion.
- Implemented control algorithms in C++/Python to enable multi-axis movement and automated pick-and-place tasks.

Johns Hopkins University Applied Physics Lab, *ASPIRE Intern*, Laurel, Maryland — July 2023 - August 2023
- Co-developed the Wi-Fi Network Tracking Robot (WiNTR) with a team of interns, creating a mobile platform that tracks wireless signal strength.
- Designed all CAD components, including 3D-printed battery housing, servo mount, and ultrasonic sensor bracket.
- Created and laser-cut the top plate to securely mount system components.
- Performed wiring and soldering of electronic components to support system integration.

Hometown Landscape, *Laborer*, Burtonsville, Maryland — June 2025 - August 2025
- Operated a variety of heavy equipment (Tractors, skid steers, loaders) to complete large-scale landscaping projects.
- Coordinated closely with team members and supervisors to execute tasks safely and efficiently.

Facci Ristorante, *Server*, Laurel, Maryland — May 2024 - August 2024
- Delivered attentive fine-dining service, ensuring an exceptional guest experience from greeting to final course.
- Partnered with kitchen and bar staff to streamline order flow and maintain timely, accurate service.
- Resolved guest concerns promptly and professionally, preserving a welcoming atmosphere.

ADDITIONAL EXPERIENCE

Personal Robotics & Programming Projects (Ongoing)
- ACSS (Automatic Chainsaw Sharpening System): Engineered an automated sharpening system by retrofitting an electric chainsaw sharpener with 3D-printed mounts, Arduino control, and coordinated servo and stepper motors to deliver precise, repeatable blade maintenance (In Progress).
- C++ Trivia Game: Developed a Terminal application that reads question data from formatted text files and presents an interactive quiz interface.

Independent CAD & 3D Printing Work (Ongoing)
- Designed and fabricated custom parts for robotics projects using Fusion 360 and FDM printers.
- Built and maintained a personal 3D printer setup, troubleshooting various issues to ensure high print quality.

SKILLS AND INTERESTS

- *Computer Skills:* Fusion 360, Arduino, Git
- *Language Skills:* MATLAB (Intermediate), Python (Intermediate), C/C++ (Intermediate)
- *Interests:* Robotics, Embedded Systems, CAD, and 3D Printing