Kevin Sisk

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EDUCATION

Swarthmore College, Swarthmore, Pennsylvania Expected Graduation May 2028
GPA: *3.7/4.0*
Dual Degree in Engineering and Computer Science (Bachelor of Science)
Relevant Coursework: *Several Variable Calculus, Computer Engineering Fundamentals, Electrical Circuit Analysis, Intro to Computer Systems, Artificial Intelligence*

Reservoir High School, Fulton, Maryland August 2020 - May 2024
GPA: 4.0/4.0
Awards: *GT Advanced Research Senior of Distinction, Reservoir High School Leadership Recognition Award*

RELEVANT WORK EXPERIENCE

Automatic Chainsaw Sharpening System (ACSS) - (Ongoing), *Personal Project* August 2025 - Present
- Engineered an automated sharpening system by retrofitting an electric chainsaw sharpener with 3D-printed mounts.
- Programmed Arduino to control and coordinate servo and stepper motors to deliver repeatable blade sharpening.

Terminal Trivia Game (C++), *Personal Project* January 2025
- Developed a Terminal application that reads question data from formatted text files and presents a trivia quiz.
- Designed and implemented the file format used by the application to store and read questions for gameplay.

Johns Hopkins University Applied Physics Lab, *ASPIRE Intern*, Laurel, Maryland September 2023 - May 2024
- Built and programmed the Simulator Controlled Robotic Arm Prototype (SCRAP) using CoppeliaSim and Arduino.
- Integrated robotic simulations and microcontroller programming to achieve precise and accurate 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 to locate Wi-Fi signal origins.
- Designed all CAD components, including 3D-printed battery housing, servo mount, and ultrasonic sensor bracket.
- Performed wiring and soldering of electronic components to support system integration.

Independent CAD & 3D Printing Work - (Ongoing), *Personal Project* March 2020 - Present
- Built and maintained a personal 3D printer setup, troubleshooting various issues to ensure high print quality.
- Designed and fabricated custom functional parts for robotics projects using Fusion 360 and FDM printers.

ADDITIONAL EXPERIENCE

Swarthmore Men's Varsity Lacrosse, Swarthmore, Pennsylvania September 2024 - Present
- Compete in NCAA Division III varsity athletics, balancing 30+ weekly hours of practices, games, and travel.
- Demonstrate discipline and time management by maintaining rigorous training while meeting academic workload.

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.

SKILLS AND INTERESTS

- *Computer Skills:* Fusion 360, Arduino, Git
- *Language Skills:* MATLAB, Python, C/C++
- *Interests:* Robotics, Embedded Systems, CAD, 3D Printing, Cooking, Fishing, Woodworking, and Football.