

Matthew Chesnut



GitHub Portfolio

Email: matchesnut@gmail.com | Phone: 443-294-3797 | College Park, MD

Education

University of Maryland | College Park, MD

- B.S. Mechanical Engineering — Engineering Honors Program (EHP)
- Expected Graduation: 2027
- GPA: 3.63 | Dean's List (all semesters)

College of Southern Maryland | LaPlata, MD

- Engineering Coursework
- GPA: 3.92 | Dean's List (all semesters)

Achievements

- Eagle Scout

Projects

- **Car-Mounted GoPro System:** Designed and fabricated a stable rear camera mount using SolidWorks, 3D Printing, and hand-machined metal parts.
- **GPS Speedometer:** Built an Arduino-based GPS device to display real-time speed, satellites, and coordinates, programmed in C with a 3D Printed case.
- **3 Axis Mechanical Arm:** Built and programmed a custom 3-axis robotic arm capable of repeatable, precise object manipulation using stepper motors and embedded motion control.

Skills

Technical Skills: CAD: SolidWorks, Onshape, Blender | 3d printing | MATLAB | C, C++, Python, HTML/CSS | Circuit Design | mechanical car work & body work | MIG welding, metal work | teamwork/collaboration.

Languages: English, Spanish

Experience

Auction Operations Team Lead | Bunting Auctions | Owings, MD

April 2022 – August 2025

- Supervised and trained a team of 4 photographers, ensuring efficiency and quality standards for auction listings.
- Assisted customers with pickups, inquiries, and consignor contracts, driving new sign-ups and maintaining strong client relationships.

Stem Tutor | College of Southern Maryland | LaPlata, MD | Prince Frederick, MD

January 2025 – August 2025

- Tutored students in math through calculus III, calculus-based physics, and engineering courses.
- Assisted students in understanding concepts and problem-solving strategies. Built strong connections with students to create a supportive learning environment. Adapted teaching methods to meet individual learning needs.