

Ava Cotroneo

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California, MD <https://avacotroneo08.wixsite.com/avacotroneoportfolio>

ENGINEERING STUDENT

Ambitious and personable student who embraces challenges and adding value to any team. Strong history of successful projects using leadership, communication, and teamwork to complete tasks. High academic achievement paired with demonstrated commitment and integrity.

PROFESSIONAL EXPERIENCE

PATUXENT RIVER NAVAL AIR STATION- APSD

Aug 2024 - May 2025

Mechanical Engineering Apprentice

- Comprehensively and independently interpreted Mechanical Engineering technical data (CADD drawings/models).
- Safely and independently took developed programming to operate/manufacture aircraft parts using CNC machinery.
- Verify final product produced (part/assembly) has met the requirements of the provided technical data.
- Applied the processes and procedures of manufacturing and assembly within a Quality Management System (QMS) and its relevance to AS9100 Certification.

J. F. TAYLOR INCOORPERATED- GREAT MILLS, MD

June 2024 - Aug 2024

Program Analyst Aide

- Managed day-to-day operations of multiple programs simultaneously while ensuring quality standards are met throughout all phases.
- Assisted in developing new program initiatives through creating detailed project plans, timelines, and budgets.
- Prepared periodic reports on the status of each program initiative as necessary according to contract
- Logged over 20 hours on military-grade F-5 simulator, familiarizing with the functions of the aircraft as well as the mechanics of flight

FLOUR DONUTS AND BAKERY- LEONARDTOWN, MD

August 2023- Feb 2025

Cashier/Expeditor

- Provided excellent service and attention to customers when face-to-face or through phone conversations to foster satisfaction and loyalty
 - Operated cash registers accurately when ringing up customers' purchases.
 - Monitored on-hand items to proactively replace low stock and keep product levels within optimal tolerances to meet expected demands.
 - Trained new bakery employees to use POS system to document orders, process payments and check progress for customers.
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EDUCATION AND EXTRACURRICULARS

LEONARDTOWN HIGH SCHOOL

- High School Diploma
- GPA: 4.1
- Field Hockey Team 2021-Present (Captain)
- Track and Field Team 2021-Present
- Key Club President 2023-Present (100hrs+ associated)
- Key Club Leadership 2021-Present
- National Honors Society 2022-Present
- Spanish Honors Society 2022-Present
- Seal of Biliteracy (Spanish) expected June 2025
- Mental Health Awareness Club Leadership 2022-Present

DR. JAMES A. FORREST CAREER AND TECHNOLOGY CENTER

- Certificate: Engineering
- Regeneron ISEF Science and Engineering Fair International Finalist (May 2023) for
- personal engineering project "ArmadilloSkin- The Bulletproof Backpack Insert"
- Regeneron ISEF awards at tri-county level (1st in women's engineering, 1st in materials science, 3rd overall senior division)
- Snap-On NC3 Certifications, Certified in AutoCAD, Proficient in Microsoft Excel and Solidworks
- Published article by Business Insider, The Baynet, Scripps National