Ronan Peeke

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EDUCATION

Bucknell University | *Lewisburg PA* *Expected May 2029*

Bachelor of Science in Mechanical Engineering; Prospective minors in Physics and Management

- *GPA*: 3.91, Dean's List
- *Relevant Coursework*: Thermodynamics, Statics, Dynamics, Differential Equations, SolidWorks, MATLAB

Darien High School | *Darien CT* *August 2021 - June 2025*

- *GPA*: 4.06/4.5 Weighted
- *Honors*: National Honors Society, Science Honors Society, Science Olympiad Team

TECHNICAL SKILLS AND CERTIFICATIONS

- *Certifications*: Certified SolidWorks Associate (Validation)
- *Engineering Tools*: CAD, 3D Printing, Laser Cutting, MATLAB, Microsoft Excel, Arduino

ENGINEERING EXPERIENCE

TokenWorks Inc. *Mechanical Engineering Intern | Bronxville NY* *May 2026 - August 2026*

- Created and rewrote product assembly guides, repair protocols, and detailed BOMs to thoroughly document production operations, increasing total documentation from 40% to 96%
- Operated and troubleshooted 3D printers to fabricate prototype parts for new product development
- Performed mechanical and electrical assembly using precision hand tools and fasteners to build finished products
- Programmed, calibrated, and repaired multiple ID scanner models, diagnosing electronic and mechanical hardware issues.
- Executed quality control, quality assurance, and testing on production hardware to ensure reliability standards.

Heavy-lift Drone, *Aircraft Design Competition | Lewisburg PA* *August 2026 - Present*

- Designing CAD models and BOM for a heavy-lift aircraft to maximize payload and structural efficiency

Phone Holder Design Project, *Graphics for Design/Manufacture | Lewisburg PA* *January 2026-May 2026*

- Designed, modeled, and assembled a custom smartphone holder from scratch, utilizing 3D modeling in SolidWorks to ensure universal device compatibility
- Optimized part geometry for 3D printing and fabrication using Design for Manufacturing principles

Magnetic Pick-and-Place Robot, *Engineering Design Experience | Lewisburg PA* *September 2025 - December 2025*

- Designed, modelled, and assembled a 3D printed Arduino-powered magnetic robotic arm designed to automate quality control and component sorting in manufacturing workflows

LEADERSHIP AND EXTRACURRICULARS

Bison Aerospace Engineering Club, *Founder & President | Lewisburg PA* *September 2026 - Present*

- Preparing requirements for official AIAA charter registration, and planning hands-on aircraft design projects

ADDITIONAL EXPERIENCE

The UPS Store, *Retail Sales Associate (Seasonal) | Greenwich CT* *May 2025 - May 2026*

- Provided front-line customer service, assisting clients with shipping, returns, and inquiries
- Executed high-volume package processing with accuracy, generating shipping labels and coordinating deliveries
- Engineered secure packaging solutions to meet compliance standards and prevent shipping damage
- Partnered with team members under pressure during high-volume periods, processing 650+ packages daily

Darien Butcher Shop, *Team Member | Darien CT* *May 2025 - August 2025*

- Adapted quickly during peak hours, contributing to smooth operations through teamwork and reliability