

Ryan Comisky

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I am a self-motivated junior studying integrative engineering and looking for a summer internship to apply my foundation in automation, robotics, mechanical, and electrical engineering.

EDUCATION

Lafayette College, Easton, PA
Integrative Engineering Major, Robotics Concentration

EXPECTED GRADUATION 2026

TECHNICAL SKILLS

- CAD/CAM: Fusion 360, Solidworks, Onshape, 3D printing, CNC Milling, Laser cutting
- Programming experience: Python, C++, Java, Linux terminal, Vivado, Matlab, LT Spice
- Licenses: FAA part 107 commercial drone license, Technician Class HAM radio license

RELEVANT PROJECTS

- Final Project (ES 302 Robotic Systems and Design)
 - Designed and tested a framework for detecting abuse of service robots
 - Led Experimental design, creation of the mathematical model, and testing
- Laser Project (ECE 322 Solid State Circuits)
 - Special project for the transformation of audio to laser input current
 - Lead for the design, simulation, manufacturing, and testing of the board

RELEVANT EXPERIENCE

Piasecki Aircraft Corporation - Engineering Internship

- Design and Fabrication Liaison
- Engineering Support on tandem rotor helicopter project
- Designed, manufactured, and assembled parts to ready a UAS(drone) for research

(June 2024)

University of Pennsylvania's Rehabilitation Robotics Lab - Research Intern

- Research under Dr. Michelle Johnson
 - Created and tested new activities for a social telepresence robot, Flo
 - Assisted a master's student with biosensors and fiber optics research

(2021- 2023)

Franklin Institute PACTS Franklin Ambassador (Partnership for Achieving Careers in Technology and Science)
(2019-2022)

- Lead student workshops
- Moderated Meet The Scientists, Franklin Institute Awards Laureate Panel
- Ran live science demonstrations on the museum floor

LEADERSHIP EXPERIENCE

- Lafayette College Crew Club
 - Won Head of Charles Crew race as freshman coxswain
 - Men's Captain, Varsity Women's Coxswain, Novice/Varsity Men's Coxswain

(2022- Present)

SCH FIRST Robotics Competition Team (FRC) 1218

- Team Captain
- Dean's List Award semi-finalist
- Student Leader of Airplane Building Club
 - Conducted and organized the building of a single-engine Bede 4-C aircraft
- Head of Chairman's Subteam and Presenter Chairman's Award Presentation
- Lead Mentor of Middle School FLL Robotics students
 - Guided students through the creation of robot design and robot code
 - Supported all teams during the annual robotics competition

(2019- 2022)

OTHER EXPERIENCE

Hyundai of Abington

- Service valet/Customer service representative

(June 2023)

Trek Bikes, Springhouse, PA

- Sales/Customer Service

(June 2022)