

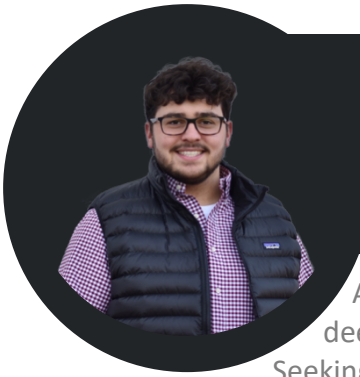
Ryan Kuederle

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An enthusiastic engineering student who has a deep and long-lasting interest in technology.

Seeking internship opportunities as soon as Fall 2024 with a focus in software and electronic design and production. Will bring a strong work ethic and a positive attitude to complete projects in an exceptional manner.

Education

Bachelor of Computer Engineering | University of Dayton
Dayton, OH | GPA 3.9/4.0 | Graduation Year 2026

- RELEVANT COURSES: Circuit Analysis, MATLAB Programming, Algorithms & Programming (I & II)
- ACCOMPLISHMENTS: Dean's List (Fall 2022, Spring 2023, Fall 2023), Trustee's Merit Scholarship

Work Experience

Student Engineering Co-Op | University of Dayton
Research Institute, Dayton, OH 01/2024 – Present

- Leading a team to develop a turnkey software solution for automating aerial 3D scanning
- Integrating software using ROS from embedded sensors to a user-friendly software application
- Supporting digital transformation efforts for the US Air Force Material Command and Digital Transformation Office

Sole Proprietor | SkyView Professional LLC, Sunbury, OH
07/2020 - Present

- Operating an aerial imagery company, including client relations, UAS flight, and more.
- Obtained an FAA Part 107 commercial UAS pilot's license

Skills

Key Software

- Microsoft Office
- MATLAB
- Multisim
- Git
- AutoCAD
- Fusion360
- Docker
- Azure DevOps

Programming

- C/C++
- Python
- Java
- JavaScript
- HTML/CSS
- ROS

Other Technical

- 3D Design
- 3D Printing
- Electronic Prototyping
- Soldering

General

- Adaptability
- Critical Thinking
- Teamwork
- Resourcefulness
- Time Management
- Conflict Resolution

- Generated over 400 deliverables for clients in Central Ohio
- Built leadership and communication skills while taking initiative to build relationships with clients
- Used revenue to begin ongoing development of an entirely custom UAS platform
- Developed a custom flight control system using C++

Retail Manager | 1st Impressions Landscape & Garden Center, Sunbury, OH

08/2019 – 08/2023

- Directed a team of sales representatives to bring in over \$20,000 in revenue each week.
- Restructured company POS systems to improve sales efficiency
- Educated new employees on day-to-day operations and effective sales strategies
- Managed EPA documentation for a class IV compost facility

Additional Project Experience

SR33N Blackbody Driver | University of Dayton Applied Sensing Laboratory, Dayton, OH

01/2023 – 03/2023

- Used manufacturer specifications to develop a C++ programming interface to enable full integration of a calibration device within an infrared camera system
- Built a software solution to enable automated calibration of an infrared camera within a robotic simulation environment

Leadership And Extracurriculars

Vice President of Software and Computer Systems | University of Dayton Mars Rover Team

08/2022 – Present

- Providing leadership to team members to push the team to its first appearance at the Canadian International Rover Challenge
- Managing team code repositories and ensuring proper testing, functioning, and documentation of UDMRT code bases
- Developed code libraries for visual and optical sensing systems, long-range communications, and a graphical user interface