

RYAN LEYHE

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EDUCATION

University of Virginia - College of Arts & Sciences

Charlottesville, VA

Pursuing a B.A. in Economics and a B.A. in Computer Science

Class of 2026

- Cumulative GPA: 3.53
- Relevant coursework: Computer Systems & Organization, Data Structures & Algorithms, Software Development
- Activities and societies: Google Developer Student Club, Portico Impact Fund, MARS

EXPERIENCE

Intern - Naval Sea Systems Command (NAVSEA)

June 2023 - August 2023

- Collaborated with the ACIO and regularly delivered insights and reports using Power BI dashboards during weekly meetings, showcasing HR and financial data transformations.
- Leveraged Power BI for data analytics, transforming data into actionable insights and creating dashboards.
- Designed and implemented Power Apps solutions to consolidate, filter, search, and edit data.
- Successfully obtained an active secret security clearance.

Developer - Code for Charlottesville: Mapping Wildlife Vehicle Collision Data Project

June 2024 - Present

- Automated creation and customization of Google Form with embedded Google Maps.
- Developed a script to retrieve and manage form responses in Google Sheets with input validation.
- Automated data collection with scheduled scripts, integrating Google Forms and Google Sheets.

Member - Mechatronics and Robotics Society (MARS)

August 2023 - Present

- Led a project within the computer science subteam to leverage Docker on NVIDIA Jetson, containerizing versions of our custom robot OS.
- Orchestrated Docker container management and introduced a GitHub workflow for automated image deployment.
- Implemented LiDAR-based SLAM algorithm to improve localization accuracy of the robot.

PROJECTS (Check out this project below and more on my [website](#).)

Algorithmic Trading Bot

- Designed and implemented a trend-following algorithm for trading the SPDR Gold Shares ETF (GLD) using Python, Alpaca API, and other tools, consistently outperforming the market based on both live and backtested data.

SKILLS

Python | Java | C/C++ | HTML | CSS | JavaScript - Node & React | LaTeX | Markdown | Docker | Git/GitHub | CI/CD |
Embedded systems | JUnit testing | Power BI | Power Apps | MS Office Products (Excel, Word, SharePoint) |