

David Lieman

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EDUCATION

Bachelor of Science in Computer Science and Math, University of Maryland, College Park, MD Expected Dec 2026

- 3.592 GPA
- Relevant Coursework: Linear Algebra, Multivariable Calculus, Object Oriented Programming, Probability Theory, Discrete Math, Real Analysis, Number Theory, Computer Systems, Data Science, Programming Languages, Algorithms, Numerical Analysis
- Activities: Club Fencing, Ballroom at Maryland, Terrapin Trail Club, Math Club

Dual Enrollment, Howard County Community College

- 4.0 GPA
- Relevant Coursework: Differential Equations

RELATED EXPERIENCE

Incoming Summer Analyst, Arenova Capital, Dallas, Texas June 2025 - Aug. 2025

Software Developer Intern, RKF Engineering Solutions, Bethesda, Maryland May 2024 - Aug. 2024

- Spearheaded an independent project to create signal loss mapping contours, significantly improving spatial analysis of RF propagation
- Leveraged NumPy for advanced data analysis and visualization, enhancing the interpretation of complex signal attenuation patterns
- Conducted in-depth analysis of phase noise probability distribution in varying terrain characteristics, contributing to more accurate signal loss predictions
- Developed a custom C++ application to generate precise radio loss grids, optimizing RF propagation modeling
- Utilized Unix command line tools and CMake for efficient project implementation, streamlining build processes and enhancing cross-platform compatibility

OTHER EXPERIENCE

Atlas Fellow, Atlas Fellowship, Berkeley, California June 2023

- Selected as one of 100 Atlas Fellows from over 13,000 applicants to receive a \$10,000 scholarship and participate in a selective summer program
- Studied AI risk, decision theory, Bayes Theorem, prediction markets, and other subjects
- Developed startup ideas such as an automated phone call based vaccine reminder system in Burkina Faso

LEADERSHIP EXPERIENCE

Project Manager, Ragnarok Robotics, Ellicott City, Maryland June 2022 - July 2023

- Led team from being shut down during the pandemic to regional finalist
- Built durable modular robots for object manipulation
- Created autonomous path routines as Code Captain in 2021-2022 using Java, PID controllers, and OpenCV

SKILLS

Programming Languages: C++, Java, Python, MATLAB, SQL, x86-64 assembly, C, Pandas, Git

Skills: Software Development, Linux, Concurrency, Problem-solving, Debugging, Communication, Agile/Scrum

HONORS/ACCOMPLISHMENTS

- International Economics Olympiad Gold Medalist (2021)
- National Economics Challenge Champion (2021)
- Washington Area Model United Nations Best Delegate (2023)