

Dalton Luce

Boston, MA [LinkedIn](#) [GitHub](#) [daltonluce.com](#)

EDUCATION

Cornell University

Bachelor of Science in Electrical and Computer Engineering, CS minor

Expected 2026

Ithaca, NY

- 4.028 GPA, Dean's List all semesters
 - James E. Rice Jr. First Year Writing Seminar Award Nominee
 - Autobike Project Team Software Lead, IEEE at Cornell Executive Board, Cornell Outdoor Education Student Instructor, Cornell Club Swim Vice President
 - Relevant coursework: Differential Equations, Linear Algebra, Functional Programming; OOP and Data Structures, Data Science, Digital Logic and Computer Organization, Embedded Systems
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EXPERIENCE

RTX

Software Engineer, Intern

Summer 2024

Marlborough, MA

Developed Perl tooling in Git and GitLab to enhance a DevSecOps software pipeline serving over one thousand users. Built custom tools to monitor infrastructure stability across hundreds of servers with diverse configurations. Analyzed trends using Grafana to inform data-driven improvements in the DevOps pipeline. Jira administrator, created and configured projects for software teams, leveraging Groovy scripting to automate project processes. Jenkins administrator, updated and debugged CI/CD jobs related to infrastructure stability and code validation. Monitored test failures in product branches and validated C++ code changes, ensuring smooth integration into the baseline and maintaining code integrity across releases.

Software Engineer, Intern

Summer 2023

Woburn, MA

- Worked on X-Band Radar software with over one million lines of source code. Learned Ada programming language, ClearCase version control, and Jenkins to correct software bugs and new feature development. Assisted in redevelopment of tool allowing better testing of capabilities of radar software. Collaborated closely across teams of system engineers, validation teams, and software developers to ensure accurate code functionality and resolve issues efficiently. Participated in daily scrum, sprint planning and backlog refinement.

Autonomous Bicycle Project Team

2022 - Present

Cornell University

Ithaca, NY

- Software Lead. Reinforcement learning to determine optimal bicycle routing, Docker, Python. Optical flow and computer vision techniques to predict future occupancy grids, OpenCV.

Software Tester, Intern

2022

Tholyl Technologies

Acton, MA

- Tested and reported bugs, provided insight into development of software product. Created and managed website.
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SELECTED ENGINEERING PROGRAMS

Hajim School of Engineering & Applied Sciences Pre-College Intensive

Summer 2021

University of Rochester

Virtual

- Attended competitive 20-student cohort three-week intensive studies program completing week-long modules in electrical and computer engineering, data science, and biomedical engineering.

Luddy Pre-College Summer Computing & Engineering Summer Program

Summer 2021

Indiana University, Luddy School of Informatics

Virtual

- Attended a week-long pre-college exploratory program that covered topics such as intelligent sound-processing, microbiome gene sequencing, 3D modeling.
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TECHNICAL SKILLS

- **Languages:** OCaml, C, ADA, Java, Python, JavaScript/HTML/CSS, Bash
- **Frameworks:** Svelte
- **Developer Tools:** Git, Docker, Jenkins, ClearCase