Dalton Luce

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

EDUCATION

Cornell University
Expected 2026
Ithaca, NY

- Bachelor of Science, Electrical and Computer Engineering/CS minor, 4.028 GPA, Dean's List all semesters
- James E. Rice Jr. First Year Writing Seminar Award Nominee
- Autobike Project Team, IEEE at Cornell Executive Board, Cornell Outdoor Education Student Instructor, Cornell Club Swim
- Relevant coursework: Calculus for Engineers; Multivariable Calculus for Engineers; Differential Equations for Engineers; Linear Algebra for Engineers; Physics II: Electromagnetism; Physics III: Oscillations, Waves, and Quantum Physics; Data Structures and Functional Programming; Object-Oriented Programming and Data Structures; Data Science for Engineers; Digital Logic and Computer Organization; Embedded Systems

Acton-Boxborough Regional High School
2018 - 2022
Acton, MA

- National Merit Finalist and Raytheon Scholar
- Unweighted 3.95 of 4.0 GPA; weighted 4.7 of 5.0 GPA, 35 ACT
- Advanced Placement (AP) Scholar with Distinction. AP Scores of 5 in AB Calculus, Biology, Computer Science A, Physics C: Mechanics, and Statistics
- One of only 369 students globally (0.47%) to earn every point on the AP Computer Science A exam
- Dartmouth Book Award—presented to a junior for outstanding academic achievement and leadership
- National Honor Society, Swim and Dive Captain, Band Vice-President, Marching Band Section Leader, Junior and Senior Class Leader, Student Ambassador

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EXPERIENCE

Software Engineer, Intern
Summer 2023, Summer 2024
RTX
Woburn & Marlborough, MA

- Worked on X-Band Radar software. Learned Ada language, ClearCase, Jenkins to support correcting software bugs and new development. Assisted in redevelopment of tool allowing better testing of capabilities of radar software. Participated in daily scrum, sprint planning and backlog refinement

Autonomous Bicycle Project Team
2022 - Present
Cornell University
Ithaca, NY

- Member of the Software team (incoming lead for 2024 school year). 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

- Attended the advanced cohort of a ten-week high-school intensive on Artificial Intelligence taught by Stanford and MIT alumni and graduate students. Completed a simulated project using machine learning techniques to improve public health by predicting a SARS-CoV-2 lineage country of origin using its genome

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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

AI Scholars
Spring 2021
InspiritAI
Virtual

- Attended the advanced cohort of a ten-week high-school intensive on Artificial Intelligence taught by Stanford and MIT alumni and graduate students. Completed a simulated project using machine learning techniques to improve public health by predicting a SARS-CoV-2 lineage country of origin using its genome

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TECHNICAL SKILLS

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