Calder Russell

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69 Harvey Street, Apt 5, Cambridge, MA 02140

Education

Cambridge Rindge and Latin / High School
Sept 2022 - Jun 2026, Cambridge

GPA: 4.0 (Unweighted)
Relevant Coursework: MATH 21b (Linear Alg.), STAT 110 (Probability), STAT 171 (Stochastic Processes), AP Physics C Mechanics, AP Physics C E&M, AP Physics 1, AP Chemistry, AP Computer Science A, AP Statistics, AP Calc BC, Multi. Calculus, AP US Gov, and AP Comparative Government.
Languages: 3 years of American Sign Language (ASL) as a foreign language
Awards: Rensselaer Medal, BWSI Best presentation, and Plenary speaker NHSMUN.

Massachusetts Institute of Technology / College
Sept 2026 - Jun 2030, Cambridge

Incoming Freshman

Skills

Coding: Proficient in Python (ML & Data visualization/analysis) and Java. Frontend: JS, HTML, and CSS. Backend: FastAPI, Django.

Computer-Aided Design: Experienced with using Fusion 360 & OnShape to model designs.

Experience

MIT CAVE Lab / Intern
Spring 2025 - Summer 2025, Cambridge, MA

Engineered a demonstration application using the Cave app framework, leveraging Python and Django for the backend to streamline lab tours.

Paddle Boston / Dock Staff
Summer 2025 - Winter 2025, Cambridge, MA

Managed gear, assisted customers, and provided customer service.

Federation for Children with Special Needs / Volunteer Data Analyst
Summer 2024 - Current, Cambridge, MA

Analyzing data and developing visualizations utilized in successful grant reports, contributing to over $250,000 in secured funding.

Extracurriculars

Debate & Model UN: Debate Club **leader**, honed public speaking and negotiation skills; Plenary speaker at NHSMUN, spoke in front of **3000+** people. Teaching debate skills and designing lesson plans. Received the NFL degree with distinction.

Drone Club: President, working to teach students about drone engineering and photography as well as working with the school and city to video/stream events.

NASA Drop Challenge: Top 20 in the Nation in an engineering design challenge; accepted for microgravity testing. Used CAD to design paddle wheels to work in microgravity environments based on capillary action.

CubeSat Challenge: A winner in the 1U Cube Satellite creation competition, designed to complete space-based science research. Won **Best presentation/design.**