Calder Russell

Student

617-870-8730
calderdoddrussell@gmail.com
69 Harvey Street, Apt 5
Cambridge, MA 02140

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 software such as Fusion 360 to model designs.

Experience

Parkour Generations Boston / Intern
Summer 2022 - Summer 2023, Cambridge, MA
Developing parkour classes for children, leading and implementing comprehensive lesson plans, while fostering a safe and engaging learning environment.

MIT CAVE Lab / Intern
Spring 2025 - Summer 2025, Cambridge, MA
Developing an app using the Cave app framework meant for demonstrations of Cave app functionality during tours of the lab.

Paddle Boston / Dock Staff
Summer 2025 - Winter 2025, Cambridge, MA
Managed gear, assisted customers, and provided customer service.

Education

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

GPA: 4.0 (Unweighted)
Relevant Coursework: STAT 110 (Harvard) , AP Physics C Mechanics, AP Physics C E&M, AP Physics 1, AP Chemistry, AP Computer Science A, AP Statistics, AP Calc BC, and AP US Gov.
Languages: 3 years of American Sign Language (ASL) as a foreign language
Awards: Received the RPI Medal and the "Unsung Hero" award for excellence.

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.

Dungeons & Dragons: Founding member and **leader** of a weekly campaign, highlighting creativity, leadership, and team coordination of **40+ members**.

Architecture Club: Founder and **Leader**, working towards long-term projects. Coordinating communication between members in weekly meetings.

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.

CAVE Lab: Worked with the MIT CAVE Lab to create an app for use during CAVE Lab tours. Involving Python, Django, and React.

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.**