

Elizabeth W. A. McGuire

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ABOUT ME

Education: University of Colorado Boulder; Electrical & Computer Engineering Major; Computer Science Major; GPA ~ 3.7

Computer Science: Python, C, C++, Java, HTML, APL, J, Linux, and DART; App Development, Artificial Intelligence, Cyber Security

Special Interests: Robotics, programming, and gaming

Languages: English, French

Extracurriculars: Engineering Fellows, Women in Electrical & Computer Engineering, Judo, Skiing

EXPERIENCE

CU Engineering Fellows

Aug 2024 +

- CU Boulder College of Engineering and Applied Science
 - President Head Fellow (Fall 2025 - Spring 2026)
 - Manage meetings, budget, and fellows' events such as practice exams and review sessions
 - Promote academic excellence in the College through peer academic support; Subject matter mentor

Learning Assistant

Jan 2024 +

- CU Boulder Applied Math Department
 - Facilitated learning through group interactions and questioning
 - Coordinated between students and faculty to improve curricular materials for Pre-Calc, Calc 1,2,3

Calculus Tutor

Jan 2025 +

- CU Boulder Applied Math Department
 - One-on-one pre-Calc and Calculus 1 Tutoring Sessions

ECEN 1400 CU Boulder Projects Expo

Dec 2023

- HVF Launcher, *1st place*
 - Created electronic joystick controlled launching mechanism with team of engineers for children with limited mobility which allowed them to partake in Nerf battles
 - Lead System Designer - programmed/designed software for joystick and launching

Starwood Property Trust

June 2023

- Intern Programmer
 - Programmed system to calculate/predict the deal call month for Collateralized Loan Obligations; Converted data from Excel files into Python and displayed outputs for consumer viewing

DIDDIT Startup

Jan - May 2023

- Co-Founder, Front-end Web Developer, Programmer
 - Learning management app to help students prioritize and keep track of assignments; Presented demo and framework to potential investors

Computer Science Pre-Professional Intern Program

Dec 2022 - Jan 2023

- Intern (CarePredict, Data Words, Split Second Timing)
 - Shadowed Lead Electrical Engineer; Spoke with the CEO and Marketing Manager; Simulated real-world issues with software development

SCHOLARSHIPS AND ACHIEVEMENTS

Chancellor's Achievement Scholarship | University of Colorado Boulder

Aug 2023 - Present

- Awarded four-year merit-based scholarship

Cara Dances On Memorial Scholarship | Cara Dances On Memorial Fund Inc.

June 2023

- Awarded to Drake FL dancers who truly represent the spirit of Cara