

Emma McArthur

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EDUCATION

UNIVERSITY OF COLORADO BOULDER | Boulder, CO

Expected May 2027

Bachelor of Science in Computer Science

Minors in Computer Engineering and Mathematics

- GPA: 4.0
- **Relevant coursework:** *Introduction to Programming, Data Structures, Computer Architecture and Assembly Language, Introduction to Cybersecurity, Software Development and Tools, Algorithms, Database Systems*

TECHNICAL SKILLS: C++, C#, MATLAB, Assembly, SQL, Bash, Python, Git Version Control, Docker, Microsoft Visual Studio, VSCode, MySQL, **Software Development and Testing**, Quality Assurance, Time Management, **Familiarity with Cloud Platforms**, and Collaboration

RELEVANT EXPERIENCE

Retail Sales Associate

May 2024 – August 2024 | May 2025 - August 2025

The Broadmoor Manitou and Pikes Peak Cog Railway | Manitou Springs, CO

- Established a team-focused environment through communication and networking to ensure optimal performance
- Adapted through challenging experiences through taking initiative to guide my fellow co-workers
- Developed a detail-oriented mindset through solving critical errors that may prevent sales or a continuous workflow

Front of House

August 2023–December 2023

Chick-fil-A Garden of the Gods | Colorado Springs, CO

- Developed clear communication and public-speaking skills through communicating with customers for future workplace experiences
- Collaborated with coworkers to create a welcoming and enjoyable environment to establish an enjoyable experience
- Advanced my time management and critical thinking skills through the fast-paced environment to learn how to adapt to high-stress situations

LEADERSHIP EXPERIENCE

Director of Middle School Outreach

August 2025–Present

CU Boulder Society of Women Engineers (SWE) | Boulder, CO

- Collaborating with fellow board directors to lead the outreach committee in organizing events to inspire future SWE members
- Supporting fellow women in their educational journey through designing activities to prepare them for future experiences

CEO & Mentor

September 2022–April 2024

Academy District 20 FIRST Robotics Team 662 Rocky Mountain Robotics | Colorado Springs, CO

- Developed and managed the business team and raised over \$2000.00 in sponsorships for the team
- Managed the team build season structure through gantt charts and conflict resolution
- Advanced team relations and external relations within the community for sponsorships and STEM education
- Mentored LEGO League teams across Academy District 20 in their first years

AWARDS AND AFFILIATIONS

- CU Boulder Society of Women Engineers (SWE) September 2024-Current
- CU Boulder Business and Engineering Women in Technology (BEWIT) August 2024-Current

• CompTIA Cloud Essentials+, CompTIA	April 2023
• CU Boulder Dean's List	December 2024-Current
• FIRST Robotics Team 662 - Rocky Mountain Robotics	September 2021-May 2024
• FIRST Robotics Team 662 Rocky Mountain Robotics Mentor Award	April 2023
• FIRST Robotics Team 662 Rocky Mountain Robotics Patrick Niedringhaus Award	April 2024
• National Honor Society	May 2023-May 2024
• French Honor Society	September 2022-May 2024
• Air Academy Link Crew	May 2022-May 2024
• Air Academy High School Principal's Honor Roll	December 2020-May 2024