

Cece (Carolanne) Housh

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Professional Experience

Full Stack Mobile App Development Intern & Project Lead, MSU Denver June 2024 – present | Denver, CO

- Led "Roadrunner Connect," an interactive campus map app, using:
 - Flutter (Dart) for the mobile app, MongoDB/NodeJS/ExpressJS for the back-end, and React (JavaScript, CSS) for the website.
- Proactively Integrated Firebase for authentication (Google/iOS sign-in), Gravatar for team profiles, and optimized API calls by indexing queries.
- Implemented event check-ins, photo and comment uploads, and a rewards system (giveaways, badges, leaderboards), while deploying in app stores.
- Collaborated in an Agile team of 5 doing two week sprints, taking the initiative to manage tasks and progress through ZenHub, doing daily standup ceremonies, and using Git/GitHub for version control.
- Presented app updates to 15+ stakeholders, created Qualtrics surveys, and incorporated feedback for continuous improvement.

Learning Assistant (LA) ~ Discrete Structures & Computer Science I, MSU Denver

January 2024 – present | Denver, CO

- Tutored 60+ students in areas of CS and math.
- Conducted one-on-one tutoring sessions for over 20 students in Discrete Structures and Computer Science I, addressing individual learning needs and increasing student exam scores by 12%.
- Held 8+ office hours weekly, answering questions and providing guidance, decreasing assignment-related issues and late submissions by 20%.

Undergraduate Research Assistant for the Sustainability Hub, MSU Denver

September 2023 – June 2024 | Denver, CO

- Contributed to the Sustainability Hub, a National Science Foundation-funded initiative, focused on sustainability data analysis, application prototyping, and machine learning model development.
- Teamed up with 6+ researchers in an Agile environment to design and present a UI/UX prototype.
- Developed machine learning models to identify patterns within sustainability data, enhancing the project's objectives towards sustainability, data democracy, and inclusivity.

GameStop Assistant Store Leader (ASL), GameStop Inc.

April 2023 – June 2024 | Aurora/Denver, CO

Supervisor, Elitch Gardens Amusement Park Concession Staffing Stands (CSS)

June 2021 – May 2024 | Denver, CO

Awards, Certifications, & Studies

MLH DU/MSU Hackathon 2nd Place Award, (Available to see on GitHub)

- Co-created "SpiderByte," a course-aligned coding challenge website, using Python, Flask, SQLAlchemy, HTML/CSS, PythonTutor, and CodeMirror during a 28+ hour hackathon, winning 2nd place among 6+ other teams.

Fundamentals of Deep Learning with NVIDIA, Certificate

SQL Competition Winner, Certificate

Deep Learning for Generating Educational Content, Independent Study

- Fine-tuning pre-trained LLMs to generate customized quiz questions, aiming to improve model accuracy and student engagement by 20%.
- Collaborating in a team of 3, focused on AI-driven content creation, helping students learn through tailored follow-up questions.

Education

Metropolitan State University of Denver, Bachelor of Science in Computer Science

January 2022 – December 2024

Denver, CO

- GPA: 3.7 Cum Laude

University of Colorado Boulder, Bachelor of Science in Computer Science

August 2021 – December 2021 | Boulder, CO

Summary

Full-Stack Developer driven by curiosity, a passion for continuous learning, and a keen interest in AI/ML, with goals of eventually combining medicine and CS.

• **These are my personal interests:**

- Hackathons, Building Computers, Anime, Weightlifting, Muay Thai, Animals, and Gymnastics.

Skills

Languages & Frameworks: Java, Python, HTML, CSS, Javascript, SQL, R, ARM Assembly, Ruby, Flask, Flutter, React

Development Tools & Platforms: Docker, Postman, Heroku, Swagger, MongoDB, Firebase Integration, Figma

Artificial Intelligence & Data Science: TensorFlow/Keras, Machine Learning, Deep Learning

Soft Skills & Project Management: Git/GitHub, ZenHub, Agile Methodologies, Google Workspace, Microsoft Office Suite, Metacognition, Communication, Growth, Curiosity, Problem Solving, Innovative, Creativity, Adaptability, Leadership, Ambiguity, and Effective Time Management

Clubs & Honors

- **Vice President** of Upsilon Pi Epsilon Honors Society (UPE).
- Girls Who Code (GWC).
- Association for Computing Machinery (ACM).
- Advanced Manufacturing Club (AMC).
- Cum Laude Graduate.
- Provost's Honor Roll.
- President's Honor Roll.