

Cece (Carolanne) Housh

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Summary

I am an experienced Full-Stack Developer, Mentor/Tutor, Retail/Sales Manager, and UI/UX Designer driven by curiosity and a passion for continuous learning. While focused on personal growth, I am pursuing a Computer Science degree with the hopes of combining it with medicine. I am skilled in various programming languages, web technologies, and development tools, with a passion for innovative problem-solving and effective communication.

Professional Experience

Full Stack Mobile App Development Intern & Project Lead

MSU Denver | Denver, CO

June 2024 – Present

- Led and developed "Roadrunner Connect," an interactive campus map app.
- Our team used Flutter (Dart) for mobile, MongoDB/Node.js hosted on AWS for the back end, and React (Javascript, CSS) for the website.
- We integrated Google Maps API and Google Geolocation API for the interactive map view and location-based features. The system leverages AWS services to host our MongoDB database and run our event parsing scripts, ensuring scalability and reliability.
- Integrated Firebase for authentication (Google/iOS) and Gravatar for our team members' profiles.
- Implemented features such as event check-ins, event photo uploads, event comment uploads, badges with an earned animation, challenges, a feather confetti animation, a rewards system (with giveaways and leaderboards), a list vs. map vs. calendar view, and a friends system.
- Collaborated in an Agile team of 5, gaining leadership skills, managing tasks through ZenHub, and using Git/GitHub for version control.
- Presented app updates to 15+ stakeholders on multiple occasions, and incorporated their feedback for continuous improvement of our app.

Learning Assistant (LA) - Computer Science 1

MSU Denver | Denver, CO

August 2024 – Present

- I was endorsed by multiple professors to serve as an LA for CS1, providing comprehensive support to 30+ students in fundamental programming concepts and problem-solving techniques.

- Conducted weekly one-on-one tutoring sessions and held 10 office hours weekly, contributing to a 20% decrease in late project submissions.
- Assisted in lectures and provided supplementary learning materials, offering hands-on support for students implementing concepts in practical scenarios.
- Acted as a tutor for other CS courses, leveraging broad knowledge to support students across various areas of computer science.

Undergraduate Research Assistant for the Sustainability Hub

MSU Denver | Denver, CO

September 2023 – June 2024

- Contributed to the Sustainability Hub, a National Science Foundation-funded initiative focused on sustainability data analysis, application prototyping, and machine learning model development.
- Collaborated with a team of 6 researchers in an Agile environment to create UI/UX designs and implement a prototype for the Sustainability Hub application.
- Developed machine learning models to identify patterns within sustainability data, enhancing the project's objectives towards sustainability, data democracy, and inclusivity.
- Worked under the guidance of the project manager to advance the initiative's goals in sustainability data analysis and application development.
- Co-authored the abstract, and presented the project and its findings at the Undergraduate Research Symposium for MSU Denver, showcasing the team's progress and impact.

Learning Assistant (LA) - Discrete Structures

MSU Denver | Denver, CO

January 2024 – May 2024

- Provided comprehensive tutoring and academic support to 30+ students in Discrete Structures, leveraging a personal passion for the subject to make complex concepts accessible and engaging.
- Conducted weekly one-on-one tutoring sessions and held 10 office hours weekly, helping increase student exam scores by an average of 12%.
- Gained a deeper understanding of the material by having assisted a different professor than the one I had taken the course with, broadening my knowledge of various teaching approaches and content coverage.
- Developed innovative teaching strategies to help students overcome common obstacles in understanding abstract mathematical concepts, demonstrating real-world applications in the field.
- Finished the semester with a team of LA's to create and present a project on how the LA experience was, and what it taught us.

Assistant Store Leader (ASL)

GameStop Inc. | Aurora/Denver, CO

April 2023 – June 2024

- Assisted in all aspects of store operations, including inventory management, payroll, scheduling, and maintaining the store's Profit and Loss (P&L), while consistently leading the district in sales performance and exceeding KPI goals.
- Led and motivated a team to provide exceptional customer service, implemented effective merchandising strategies (including planogram execution and visual displays to drive sales), and managed opening/closing procedures, financial record-keeping, and loss-prevention measures.
- Collaborated with district management on multi-unit tasks, including inventory preparation, staff coaching at other locations, and contributing to the creation of a company-wide adopted business sale method.
- Demonstrated expertise in loss prevention, reducing shrink through analysis, and product placement optimization, while adhering to local pawn laws for product trades.
- Excelled in individual performance metrics by leading the district in our sales metrics for most quarters in 2024, maintained flexibility in covering shifts and coordinating district-wide coverage, and assisted in talent sourcing, onboarding, and development across the district.

Supervisor, Concession Staffing Stands (CSS)

Elitch Gardens Amusement Park | Denver, CO

July 2021 – May 2024

- Coordinating myself and fellow employees throughout each of our (four) stands.
- Operating a cash register, grill, and fryer. Therefore mastering POS systems to handle payments.
- Taking charge in conflict resolution, resulting in customer satisfaction.

Education

Bachelor of Science in Computer Science

Metropolitan State University of Denver | Denver, CO

January 2022 – December 2024 (Expected)

- GPA: 3.71
- Honors:
 - Graduated Cum Laude
 - Provost's Honor Roll
 - President's Honor Roll

University of Colorado Boulder | Boulder, CO
August 2021 – December 2021

East High School | Denver, CO
August 2017 – May 2021

- GPA: 3.8
- Honor:
 - Principal's Honor Roll
 - Denver East Academic Letter – The highest standard of academic excellence

Skills

- **Languages & Frameworks:** Java, Python, HTML, CSS, JavaScript, SQL, R, ARM Assembly, Ruby, Flask, Flutter, and React
- **Development Tools & Platforms:** Figma, Docker, Postman, Heroku, Swagger, MongoDB, Firebase Integration, VS Code, JetBrains IntelliJ, Eclipse, Repl.it, and Jupyter Notebook
- **Artificial Intelligence & Data Science:** TensorFlow/Keras, Machine Learning, and Deep Learning
- **Version Control & Project Management:** Git/GitHub, ZenHub, Agile Methodologies
- **Soft Skills:** Communication, Problem-Solving, Leadership, Adaptability, Creativity, and Effective Time Management
- **Personal learning:** Online Udemy courses, LeetCode, CodeAcademy, Coursera, and Khan Academy.

Awards, Honors & Certifications

- **DU/MSU Hackathon 2nd Place Award**
 - Collaborated in the team, 'Bits Please', to create 'SpiderByte,' a coding challenge website for classroom learning (similar to Leetcode, but more designed to align with a course's material).
 - This was created during a 28+ hour hackathon, after staying awake for 36+ hours, and overall winning 2nd place among 6+ other teams.
 - Tools & Technologies: Python, Flask, SQLAlchemy, HTML/CSS, PythonTutor, and CodeMirror.
 - Enhanced user experience with PythonTutor for code visualization and CodeMirror for in-browser editing.
 - Developed and set up test cases to validate user-submitted code, ensuring accuracy and precision.
- **Certificate: Fundamentals of Deep Learning with NVIDIA**

- Completing NVIDIA's Deep Learning course, helped me gain expertise in neural network fundamentals and practical implementation.
- I also learned how to use TensorFlow and Keras to build deep learning models.
- **Certificate: SQL Competition Winner**
 - I won first place in MSU Denver's SQL competition for Principles of Database Systems (CS 3810) against 30+ other students.
 - I became the first woman to win this competition, making history in a generally male-dominated field.
- **Honors:** Cum Laude, UPE Honors Society, Provost's Honor Roll, President's Honor Roll, Principal's Honor Roll, and Denver East Academic Letter.
- **DSF (Denver Scholarship Foundation) Scholarship**
 - Recipient of the Denver Scholarship Foundation (DSF) Scholarship, awarded for academic achievement and financial need. This scholarship is regularly reevaluated to ensure I meet the program's ongoing academic and financial requirements, providing continuous support throughout my undergraduate education.
- **East Angels Friends & Alumni Foundation One-Time Scholarship**

Academic & Professional Memberships

- *Vice President* of UPE Honors Society (Upsilon Pi Epsilon)
- Girls Who Code (GWC)
- Association for Computing Machinery (ACM)
- Advanced Manufacturing Club (AMC)
- Colorado Uplift
- Denver Kids
- A+ Angels

Personal Interests

- Hackathons
- Building Computers
- Anime
- Weightlifting
- Muay Thai
- Animals
- Gymnastics

References

- Multiple academic and professional references are available upon request.