James Andrews

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EDUCATION

Colorado College   **Colorado Springs, CO**
B.A. in Computer Science, Minor in Math   *May 2025*
3.89/4.00 Cumulative GPA, **3.95/4.00** Major Specific GPA

Languages/Tools: Python, Java, C, Javascript, HTML, CSS, MySQL, React.js, Flask, Git, Jira, Confluence, Agile, Cursor, Claude

RELEVANT WORK EXPERIENCE

Undergraduate Research Assistant   **Colorado Springs, CO**
Colorado College   *January 2025 – Present*
- Building a **Python web-scraper** to collect data for research on the perception of robot gender

Project Coordinator - Product and Technology Intern   **Overland Park, KS**
T-Mobile   *May 2023 – August 2023*
- Produced and shared daily task reports that contributed to a **50% reduction** in overdue production support tickets
- Acquired experience in the CyberArk onboarding process and **assisted 40+ employees** with secure account setup, unblocking them to continue work
- Maintained Jira documentation for the Identity Security Access Management team (ISAM)

Software Engineer Intern   **Kansas City, MO**
Andrews McMeel Universal   *July 2022 – August 2022*
- Refactored global buttons and alerts components for the new GoComics.com website using **React.js**, **Javascript**, **HTML**, and **CSS**
- Researched and implemented Prism to **mock API data** for the frontend team
- Found and logged bugs for Kenken and Thematik games on the PuzzleSociety.com website
- Shadowed DevOps onboarding meetings to gain an understanding of cloud-hosting and CI/CD pipelines

PROJECTS

AFK Tracker - Esports Stat Tracking Platform   *GitHub Repo*
- Developed a stat tracking website for the **Southern Collegiate Athletic Conference (SCAC)**, enabling teams to upload video game endgame reports to be processed with OCR and displayed for analysis
- Built the stat display features and account/roster management systems working with all aspects of our tech stack including **React.js**, **Javascript**, **HTML**, **CSS**, **Flask**, **Python**, and **MySQL**
- Designed the user interface on Figma

Tune Link - Music Recommendation Platform   *GitHub Repo*
- Created a full stack web application that integrates **Spotify's and OpenAI's APIs** to produce song recommendations based on previously liked and disliked songs
- Utilized MongoDB and Express.js to store and retrieve user-specific data
- Built a responsive user interface using **React.js**, **Javascript**, **HTML**, and **Tailwind CSS**

Spell Check - Spelling Correction Tool   *GitHub Repo*
- Built a spelling correction tool in **Python** to suggest words that are closest in spelling to misspelled ones
- Implemented the Levenshtein distance algorithm to calculate the edit distance between words and a BK-tree to structure the data and ensure efficient similar word lookups

COURSEWORK AND INTERESTS

Relevant Coursework: Data Structures and Algorithms, Software Design, Theory and Practice of Database Management, Natural Language Processing, Optimization and Deep Learning, Computer Organization
Extracurriculars: Computer Science Grader, DIII Varsity Tennis, Student Athlete Advisory Committee (SAAC)
Interests: Full-stack Development, Machine Learning, Tennis, Hiking, Skiing, 2D Design, Chess, Ice Hockey