

James Courtney Andrews II

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EDUCATION

Colorado College

B.A.: Major: Computer Science, Minor: Math

3.88/4.00 Cumulative GPA, 3.95/4.00 Major Specific GPA

Colorado Springs, CO

May 2025

Relevant Coursework: Data Structures and Algorithms, Software Design, Theory and Practice of Database Management, Natural Language Processing, Optimization and Deep Learning, Computer Organization

RELEVANT WORK EXPERIENCE

Software Engineer Intern

Andrews McMeel Universal

Kansas City, MO

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 an example of 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
- Participated in daily standup meetings

Project Coordinator - Product and Technology Intern

T-Mobile

Overland Park, KS

May 2023 – August 2023

- Produced and shared daily task reports that contributed to a 50% reduction in overdue production support tickets
- Gained proficiency in the CyberArk onboarding process and assisted employees with secure account setup
- Maintained Jira documentation for the Identity Security Access Management team (ISAM)

Undergraduate Research Assistant

Colorado College

Colorado Springs, CO

January 2025 – Present

- Building a web-scraper in Python to collect data for research on the perception of robot gender

PROJECTS

Tune Link - Music Recommendation Platform

[View Repository](#)

- 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

[View Repository](#)

- 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
- Conducted benchmark tests to evaluate the program's performance at varying dictionary sizes

Wordle Clone - Word Guessing Game Remake

[View Repository](#)

- Developed a remake of Wordle using React.js, Javascript, HTML, and CSS
- Utilized a JSON server to fetch and manage secret words

SKILLS AND INTERESTS

Languages: Python, Java, C, Javascript, HTML, CSS, MySQL

Tools/Frameworks: React.js, Git, Jira, Confluence, Agile methodologies

Extracurriculars: Computer Science Grader, Research Assistant, DIII Varsity Tennis, Student Athlete Advisory Committee (SAAC)

Interests: Front-end Development, Tennis, Machine Learning, Hiking, Skiing, 2D Design, Chess, Ice Hockey