

# James Courtney Andrews II

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## EDUCATION

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### 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

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### Digital Products 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

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### 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

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**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