

Kyle Arnold

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PROFESSIONAL SUMMARY

Computer Science and Mathematics student with a robust background in software development, excelling in languages such as Java, C++, and Python. Demonstrates critical thinking through algorithm design and data structure expertise, complemented by leadership in academic projects. Eager to leverage agile methodologies to create impactful software solutions and enhance technical skills.

EDUCATION

Colorado State University

Fort Collins, CO

Bachelor of Science in Computer Science, GPA 4.0

2023 – Present

Bachelor of Science in Computational Mathematics, GPA 4.0

2023 – Present

University of Colorado Boulder

Boulder, CO

Bachelor of Science in Computer Science

2022 – 2023

PROJECTS

Web Application for Optimized Location-Based Tours | *Java, SQL, Git, JavaScript* Aug. 2024 – Dec. 2024

- Collaborated in a team environment to develop a responsive web application that enables users to plan customized tours for various points of interest.
- Our team's specific contributions included: Distance Calculation, Tour Optimization through nearest-neighbor, Search and Nearby Finder with connection to a large database.
- Visualized GitHub data to show collaboration
- Delivered a project presentation to simulated shareholders

Song Rating System | *Java, Git*

Jan 2024 – May 2024

- Developed and designed the back-end structure for a song rating system that analyzes user preferences and predicts ratings for unrated songs.
- Implemented a clustering algorithm to group users based on similar music tastes and developed predictions for ratings based on clusters.

TECHNICAL SKILLS

Software Development: Agile Methodologies, Collaborative Development, Object Oriented Design

Languages: Java, Python, C, C++, HTML/CSS, R

Frameworks: JUnit, RestfulAPI

Developer Tools: Git, VS Code, Visual Studio

ACCOMPLISHMENTS

Eagle Scout

Deans List For 5 Semesters

Instructor for CSU's second largest social club (200+ members)