

Colton Patch

Software Engineer

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Work Experience

Freelance Software Engineer

Remotasks - Platinum Coding Team

December 2023 - PRESENT

- Trained AI tools/large language models to write code.
- Wrote code in response to computer science related prompts for AI coding projects.
- Used a variety of languages, including Python, Bash scripting, C, Java, JavaScript, and SQL.
- Gave feedback on AI-generated code.
- Engineered prompts to train AI on.

Education

University of Arizona, Tucson, AZ

Bachelor of Science in Computer Science

August 2021 - PRESENT (Graduating May 2025)

GPA: 3.655

Relevant Courses Taken:

- Web Programming
- Analysis of Discrete Data Structures
- Object-Oriented Programming & Design
- Human-Computer Interaction
- Systems Programming & Unix
- Principles of Data Science
- Cloud Computing
- Data Visualization

Projects

Color Scheme Generator

Developed with React as part of a team for the Sunhacks Fall 2023 Hackathon at Arizona State University. It allows users to generate a five-color palette, either randomly or from a chosen color. The user can pick from several different palette types, draw with the current color palette, and save their favorite palettes.
<https://colton-patch.github.io/color-scheme/>

IMDB Movies Shared Cast Members Graph

Designed an interactive graph visualization of the IMDB top 250 movies, in which each node is a movie and each edge represents two movies with a shared cast member. Developed with HTML and Javascript, using the D3 library for data visualization
<https://colton-patch.github.io/>

Wordle

Developed with Java as part of a team to make a recreation of the game Wordle with a GUI that allows users to create an account and view a leaderboard
<https://github.com/colton-patch/Wordle>

Carcassonne

Developed with Python to make a recreation of the tile board game Carcassonne with a GUI that allows users to place tiles
<https://github.com/colton-patch/carcassonne>

Skills

Languages

- Java
- Python
- JavaScript
- React
- HTML
- CSS
- C
- SQL

Other

- Git
- Data structures
- Amazon Web Services
- Agile methodology
- Object-oriented programming
- Microsoft Excel
- Unix/Linux
- Bash
- Docker
- Communication
- Leadership