

Taylor Payne

TaylorPayneDev@gmail.com | (606) 309 -4510 | www.linkedin.com/in/taylorpaynedev | <https://taylorpaynedev.adaptable.app>

EDUCATION

University of Kentucky, College of Engineering

Expected May 2024

Bachelor's Degree of Science in Computer Science

GPA: 3.18

SKILLS

Python | C++ | C | C# | JavaScript | HTML | CSS | SQL | Git | Bash | MATLAB | React | Express | Handlebars | QT | Flask | NumPy | Pandas | Scikit-Learn | Pillows | Tkinter | TCP | Routing | LLVM | Bison | Flex | Assembly | Expo | Agile | Collaboration | Team Management | Communication | Hard-Worker | Passionate |

RELEVANT COURSES

Discrete Mathematics | Systems Programming | Web Programming | Graphics and Multimedia | Algorithm Design | Logic Circuit Design | Compiler Design | Machine Learning & AI Research | Database Management | Networking

CODE PROJECTS

Pokémon Decider Application – *JavaScript, HTML, CSS, Python*

December 2023

- Utilizing a Genetic Algorithm, the program picks the optimal Pokémon to fill a team of size less than 6. This operation is based on overall stats and number of unique typing bonuses.
- Bridges Flask Backend with React.js frontend to form a Full-Stack application using the axios library.
- During the development, got to manage a team of 5 developers, implement Agile and learned more about how programmers should work together and what to do when a conflict arises.

Portfolio Website - *JavaScript, HTML, CSS*

August 2023

- Leveraged Express, Node.js, and Handlebars for robust web development.
- Developed responsive web layouts ensuring seamless functionality across all device types.
- Made as a side-project during the start of the semester to refresh myself on the web-development workflow.

Cross-Stitch Maker - *JavaScript, Python*

April 2023

- Android based application that takes a selected photo from the user's photo gallery and utilizes k-means clustering and the Google Cloud API to produce a cross-stitching pattern. From there the user can download the result, email it to friends, or post it on social media.
- Utilized React-Native and Expo Go to create an Android-based debugging environment.
- 2023 University of Kentucky Cat Hacks XI Hackathon First Place Winner

EXPERIENCE

Print & Marketing Associate

Lexington, KY

Staples

May 2023 – September 2023

- Ensured that each print job met the highest quality standards, which required meticulous attention to detail and the ability to interpret and execute complex instructions.
- Utilized problem-solving skills to diagnose and rectify hardware/software issues with various printing devices, ensuring optimal performance and minimal downtime.
- Oversaw multiple printing tasks simultaneously, ensuring each project was completed accurately and on schedule, highlighting multitasking and prioritization capabilities.

Book Seller

Lexington, KY

Barnes & Noble College

August 2022 - February 2023

- Worked independently and collaboratively to fulfill high volumes of student orders.
- Handled various troubleshooting tasks to appease customers while maintaining positive customer service.
- Became accustomed to dealing with the public and helping them locate items throughout the store.

HONORS AND SKILLS

Presidential Scholarship Award

August 2020

University of Kentucky Competitive Programming Team

November 2023

Association of Computer Machinery

December 2021

Lexington Humane Society

September 2023