

Taylor H. Payne

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EDUCATION

University of Kentucky, College of Engineering

Bachelor's Degree in Science in Computer Science

Lexington, KY

Expected May 2024

CODING PROJECTS

Portfolio Website - *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.
- Incorporated interactive demos and code snippets for real-time user engagement.

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. This project won 1st place at Cat Hacks 2023.
- Utilized React-Native and Expo Go to create an Android-based debugging environment.

Unity-Based RPG Boilerplate- *C#*

June 2022

- Implemented a dynamic battle system that allows enemies to target players, using A* pathfinding, to attack players and even hesitate once they have found them for a more realistic combat experience.
- Utilized Unity's new Input System to support a diverse range of controller types, ensuring seamless gameplay experiences across multiple input devices.

EXPERIENCE

Print & Marketing Associate

Lexington, KY

Staples

May 2023 - Present

- 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

Aug 2022 - Feb 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

Production Associate

London, KY

Highlands Diversified Manufacturing

July 2022 - Aug 2022

- Utilized industrial machinery to reach a multitude of daily production goals under harsh conditions.
- Collaborated among 4 separate departments to efficiently manufacture automotive mechanisms.
- Experienced a wide variety of assembly-line type jobs that allowed me to learn about the production process and appreciate how even the smallest of items can have a lot of work behind it.

HONORS AND SKILLS

Governor's School for the Arts Visual Arts Alumni | Presidential Scholarship Award at the University of Kentucky | 2023 University of Kentucky Cat Hacks XI Hackathon First Place Winner

Languages: Python, JavaScript, HTML, C++, C#, C

Favorite Frameworks: Express.js, Bootstrap, React-Native, Node.js

Other Skills: Adobe Photoshop, Adobe Illustrator, Blender

RELEVANT COURSEWORK

Discrete Mathematics | Systems Programming | Web Programming | Graphics and Multimedia | Algorithm Design | Logic Circuit Design | Calculus 1 | Calculus 2 | Calculus 3 | Machine Learning & AI Research | Database Management