**Taylor H. Payne**

taylorpaynedev@gmail.com | (606) 309 -4510 | www.linkedin.com/in/taylorpaynedev | https://github.com/mentaldropouts

**EDUCATION**

**University of Kentucky, College of Engineering**  **Lexington, KY**

Bachelor’s Degree of Science in Computer Science **Expected May 2024** Cumulative GPA: 3.07

**CODING PROJECTS**

**Cross-Stitch Maker -** *Javascript, Python* **April 2023**

* Won first place at Cat-Hacks 2023, this android based application takes any photo from the user's photo gallery and uses k-means clustering and the Google Cloud API to turn that photo into a cross-stitching pattern. You can then print the pattern off, send It to your friends through social media, or just save it to your phone
* My first experience using React-Native, collaborating with another programmer, working with android development, and my first Hackathon.

**Lymphedema Image Processing Project (In development) -** *Python* **January 2023**

* A machine-learning model and application that helps doctors take more consistent measurements of patient’s lymphedema growth over long periods of time.
* Started during a Machine-learning research class under Dr. Harrison of the University of Kentucky

**Unity-Based Game -** *C#* **June 2022**

* Covers the bases for a plethora of systems that are a must-have when making a game such as a dialogue system with UI and choices, and a combat system with AI pathfinding equipped with both player and enemy health.
* Deals with nitty-gritty operations like managing scenes, dialogue, combat, shaders, and player movement
* Handles player Inputs using the Unity Input Actions System allowing for seamless modifications or appendages to the basic Input frameworks.

**EXPERIENCE**

**Print and Marketing Associate Lexington, KY**

***Staples*  May 2023 - Present**

* Worked with public clientele to fulfill a large range of product orders which helped me to be a versatile worker when it comes to customer demand.
* Shifted between positions based on store need. This allowed me to gain experience in many different areas of the Staples operation and furthered my willingness to adapt.
* Managed high volumes of customers and learned to operate under stress without compromising quality.

**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 customed 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: C++, C#, C, Python, JavaScript, HTML, CSS, SCSS

FrameWorks: QT, Tkinter, Pillow, Pandas, NumPy, Latex, OpenCv

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