Projects Descriptions

What is it/when/where did you make it? How did you make it (what technologies are used)?

SCROLL DOWN

TO SEE SOME FUN PROJECTS I MADE

Why did you make it?

* Personal Responsible Website
  + My personal portfolio website was created to showcase my experiences and skills. It was developed from scratch using HTML5, CSS3, and React. It also implements **responsive** **design** **techniques**, so that users using various devious (desktop, laptop, mobile) will ALL be able to view my website in a nice User Interface.
* Ryse
  + Ryse is a web application whose purpose is to serve as a “LinkedIn for Inmates”. It was created at PENNAPPS XVII (Fall 2018), a hackathon hosted by the University of Pennsylvania. This web app was created from scratch using HTML5/ CSS3, MongoDB, Express.js, and Node.js technologies. It hopes to solve America’s growing problem with the number of inmates by matching inmates with a job right before they are released.

Reasoning

* + Due to America’s growing problem with the number of inmates, where many are unable to find jobs after their release, we decided that it would be a great idea to develop a custom-made job-search platform for Inmates. They will be given the opportunity to start building their portfolio during their sentence with their guards having the ability to write reviews to increase the likeliness of successful job searches. Moreover, participating employers will be able to post job listings and have a rating system on each inmate. Not only will this help inmates find a job, but it will decrease their chances to recommitting a crime.
* Moodify
  + Moodify is an iOS application that allows users to write down their thoughts in a journal, where an Artificial Intelligence analyzes the journal and provides custom feedback. The app was created at StarterHacks (Jan 2018), hosted at the University of Waterloo. It was created using Swift, Xcode, and IBM Watson’s API. Moodify hopes to help improve the mental health of users by providing specifically tailored feedback based on users’ moods.
  + As mental health continues to be a big problem in society, I decided that I wanted to create up with an idea that will help tackle that problem. Moodify allows users to write whatever they are thinking about into their diary. They will be able to save their notes and IBM’s Watson Machine Learning technology will be able to track their mood and provide specific ways to improve based on their mood. As a result, users will get cheered up whenever feeling sad to hopefully help improve the mental health issue.
* HeyBud
  + HeyBud is an assistive learning web application for students with impairments. It was created at HackPrinceton (Spring 2018), hosted at Princeton University. It was created from scratch using HTML5/CSS3, React.js, Google’s Text to Speech/Speech to Text API, Google Maps’ API, and LiveChat API. It has many features to assist student with physical, hearing, visual, and mental health disabilities. HeyBud was created in hopes to improve the learning experiences for all students.
  + This web application was hoped to be a mobile application in the future where students with various impairments will be able to assist with their learning.
    - physical disability – feature that maps out all the elevators, ramps, and disability friendly locations
    - hearing disability – the phone automatically listens to the professors’ lecture, write down notes as the professor speaks
    - visual impairment – the phone scans the professors notes beforehand and automatically plays an audio recording
    - mental health – if the student ever feels too stressed about a certain topic, there would be a mental health specialist from the University on the other side that could help solve the student’s issues.
* Tetris
  + Tetris was created as a final assignment for our course on object-oriented programming. Although some of its features may vary from the original Tetris game, most fundamentals were implemented. This application was written in C++ and implements object-oriented designs such as the Template Pattern, Visitor Pattern, Decorator Pattern, and more. Moreover, the project implemented lots of high-cohesion, low-coupling, RAII, and STL to perfect the object-oriented design.
  + When designing this program, it was very important to ensure the maintainability and future of this program, so we ensured there was high-cohesion and low-coupling in order to perfect our object-oriented design.