

WILL PATTON

(217)-823-3910 ◇ willpat15@gmail.com

linkedin.com/in/williamjpatton/ ◇ github.com/Ragex04

EDUCATION

Southern Illinois University of Edwardsville

August 2016 - Present

Bachelors in Computer Science

Minor in Mathematics

Expected Graduation Date: December 2020

EXPERIENCE

Foresight Services

June 2018 - Present

Software Engineer

- Writing and maintaining a C# ASP.NET web application used by employees and clients from multiple Fortune 500 companies.
- Designing database schemas, RESTful APIs, user interfaces as well as training a small team of developers.

PROJECTS

Harmonize

October 2019 - December 2019

<https://github.com/Ragex04/harmonize-backend>

- Developed a program with a team during the DareMightyThings 2019 hackathon that allowed synchronized music streaming, along with chat and music queue features
- Won second place in the *Best Audio Visualization* category out of 40+ teams competing
- Later rewrote codebase to use Websockets instead of a RESTful API for synchronization in preparation for a presentation at Shure Inc.
- Backend written in Go, with frontend using Vue(v1) and React(v2)

VHS Bing-Images

August 2019

https://github.com/Ragex04/VHS_BingImages

- Created a program that grabs the current dynamic Windows 10 lockscreen image, and applies various image effects and filters to create a VHS-like effect

IDOT District 8 Independent Study

December 2018 - May 2019

<https://stltraffic.org/>

- The purpose of the project was to create a travel time indicator separate from the one Google Maps offers, and use IDOT's data to calculate the travel time between points of interest.
- Designed and built a system that could calculate travel time estimates using IDOT's freely available data and built a Google Map layer to display the travel time to the users.
- Used statistics from data calculated over a four week period to calculate the average travel time between points of interest on every week day using 15-minute intervals. Used this mean to display if traffic was better or worse than usual.

TECHNICAL STRENGTHS

Languages

C#, Javascript, Typescript, Go, Python, T-SQL

Frameworks

React, ASP.NET, Entity Framework Core, jQuery

Database Systems

Microsoft SQL Server, MariaDB

Tools

Git, Azure