

WILL PATTON

Student at SIUE

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🔗 github.com/wpattton97

EDUCATION

Bachelors in Computer Science

Southern Illinois University of Edwardsville

📅 Fall 2016 – Present

Expected graduation: Fall 2020

GPA: 3.1

🎓 Dean's List: Fall 2019

EXPERIENCE

Software Engineer

Foresight Services

📅 June 2018 – Present

📍 Highland, Illinois

- Building and maintaining a C# ASP.net web application, as well as designing and building new features
- Working with a team on design, and development of the C# web application
- Training a team on application code/models
- Experience with getting user feedback on design prototypes, and bugfixes
- Maintaining and building databases and tables on SQL Server, as well as writing maintenance and migration scripts from legacy database structures

SKILLS

Languages:

C# SQL Javascript Typescript HTML5 CSS
SCSS Python Bash Go Rust LaTeX

Front-End:

Bootstrap React Razor Elm

Frameworks:

.NET ASP.NET EF Core LINQ

Databases Systems:

Microsoft SQL Server MariaDb SQLite

Tools:

Git Visual Studio VSCode Elm

PROJECTS

Forescope V2

📅 March 2019 - August 2020

forescope.4sci.com

- Re-wrote Foresope Asset Manager for Foresight Service Inc. This tool allows clients from Fortune-500 companies to view budgetary projections on the facilities they manage.
- ForescopeV2 included a new data-entry application, written in React, that greatly increased the speed at which surveyors could input data, and generate PDF reports for clients.

ECS Instance Type Selector

📅 August 2019 - Exp. December 2020

home.cs.siu.edu/~wpattton

- Our team's senior project, this allows developers to find the cheapest AWS EC2 instance type to build their EC2 cluster on, based upon the resources needed for each service, task, and container.
- This tool has a visualization that allows users to see how their containers/tasks/services all pack within their clusters, and allows them to scale their resource values accordingly to attempt to get the best packign of resources and price.
- This project was written entirely in a functional web development language called Elm, the link above gives more in-depth information.

DareMightyThings 2019 - Harmonize

📅 October 2019

github.com/wpattton97/Harmonize

- Developed a program with a team that allowed synchronized music streaming, along with chat and music queue features.
- Won second place for best audio visualization at the Dare Mighty Things 2019 Hackathon.

VHS Bing Images

📅 August 2019

github.com/wpattton97/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

stltraffic.org

- Developed a travel time estimation map layer for stltraffic.org
- Travel time layer used GeoJSON and stats were collected over 2 months, stored in MongoDB to estimate traffic within 15-minute intervals.