THOMAS WILES

CONTACT

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Personal Website

SKILLS

C#

HTML5/CSS3

JavaScript

Java

Python

React.js

.NET Framework

Node.js

D3.js

SQL

Team Leadership

EMPLOYMENT

Software Engineer at Aries Systems/Elsevier (June 2019 – April 2021)

- Developed full stack software in C#, HTML/CSS, JavaScript, and SQL on Agile team to implement new features for Elsevier.
- Used GitHub and JIRA for source control and scrum dev tools.

Instructor and Lead Health Coordinator at iD Tech Camps (June – July 2018)

- Directed classes involving C, python, AI and game development to students ages 8-18.
- Supervised students and staff members to ensure health and safety protocols were met.

IT Intern at Valet Living (June – August 2017)

- Assisted in system administration tasks and software updates.
- Implemented Facebook messenger bot to streamline employee help and FAQs.

PROJECTS

For a complete list of projects, please visit my website's projects page.

Personal Portfolio website using React and Node.js (Present)

- Self-learning React workflow and web design for personal fulfillment. (Note: Not the personal website listed above, still work in progress)
- Using react-router-dom for multi-page functionality.
- Styled-components library for CSS of components.

Procedural Generation of Game Levels Using Human Design Patterns (2018)

- Created algorithm to learn from hand crafted user design and generate 2D game levels for any type of game within the GVGAI competition.
- Placed in top three CS projects for WPI's 2018 showcase.
- https://digitalcommons.wpi.edu/mqp-all/2197/

EDUCATION

Worcester Polytechnic Institute (2015 – 2019)

- Bachelor of Science – Computer Science
- Major Qualifying Project (listed in Projects section above)
- Co-lead of software engineering team project to create a multi-level hospital navigation application.
- Developed citation research website for Data Visualization course, assisting students in finding credible sources for search terms.
- Created interactable heat-map representation of most popular US fast food chains for Data Science course.