Owen Walstrom

Full-stack developer specializing in MERN stack applications and educational software.   Forest Lake MN 55025

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PROJECTS

Authenticator App
https://authenticator-app-frontend.onrender.com

A MERN stack application that allows for login, and authentication, using JWT and custom API.

Revive Church Website
https://reviveforestlake.church/

Website I developed that is currently used by Revive Church.

Shackle Breaker
https://walstromowen.github.io/shackle-breaker/src/index.html

An RPG adventure game featuring an advanced battle mechanic using asynchronous javascript.

Codecademy Docs
https://www.codecademy.com/resources/docs/javascript/variable-scope

My contribution to Codecademy's official Javascript documentation page Developed in coordination with Codecademy staff over Github.

EDUCATION

Master of Science: Computer Science: Software Engineering   July 2023 - March 2025
University of Concordia Wisconsin and Ann Harbor (CUW), GPA 3.67

Bachelor of Science: Mathematics Education | Minor: Computer Science   September 2017 - May 2021
University of Wisconsin River Falls (UWRF), GPA 3.5

EXPERIENCE

Programming and Math Teacher, The Academy for Sciences & Agriculture, Vadnais Heights, MN   September 2021 - Present

- Creatively designed lessons in computer programming using HTML, CSS, and Javascript.
- Tested and debugged students' projects.
- Collaborated with students, parents, and other faculty to provide optimal instruction for individual students.
- Contributed to community documentation of popular programming concepts.

Web Developer, Revive Church, Forest Lake, MN   Seasonal - Summer 2022

- Redesigned website for Revive Church to be responsive across all devices.
- Performed maintenance using Wordpress.
- Designed CSS style sheets and Javascript scripts to implement features that Wordpress could not.
- Assisted in development of the Revive Church app and collaborated with Pushpay staff in the design process of the app.

Summer STEM Teacher, Tech Academy, Little Canada, MN   Seasonal - Summer 2019

- Demonstrated dependability by providing computer programming lessons to schools throughout the Twin Cities for classes of eight to twenty-four elementary and middle school aged students in absence of a supervisor.
- Displayed attention to detail in studying Java programs and class curriculums and implementing them during class.
- Exhibited communication skills by independently contacting schools, community officials, and parents around the Twin Cities to set up classes, and answer questions.
- Showed willingness to take on challenges in performing maintenance on received equipment (computers, routers, robotics kits, etc) during personal time

SKILLS

- Mongodb
- Express
- Node
- React
- Javascript, HTML, CSS

- Github
- Chrome Dev Tools
- Wordpress
- Java
- Python

- SQL
- Visual Studio Code