DONNIE WOMBOUGH
Fullstack Software Developer

Altoona, PA (Open to relocation nationwide)   **609-752-4565**   **donniewomboughjunior@gmail.com**
LinkedIn   **Github**

SKILLS

JavaScript, React, Redux, HTML, CSS, Ruby, Ruby on Rails, Java, Mongoose, MongoDB, Node.js, Express.js, SQL, SQLite3, PostgreSQL, Webpack, jQuery, Git, Object-Oriented Development, DRY Development, Test-driven Development

PROJECTS

SomaShare *(React/Redux, Node, Express, MongoDB)*   **live** | **github**
A single-page social media web application allowing users to share and discover educational resources.
- Acted as project lead, organizing group members' responsibilities and assisting with errors and design questions while managing the database and all members' remote repository pull requests to deliver quick results.
- Developed the majority of the backend and Redux while managing and contributing to frontend design, which streamlined the workflow and provided a strong foundation to build out the rest of the application.
- Successfully implemented multiple CRUD functionalities using Axios alongside RESTful routing conventions to provide a responsive and efficient user experience.

PhysBox *(JavaScript, HTML Canvas, Paper.js)*   **live** | **github**
An interactive physics sandbox built with vanilla Javascript and the fundamentals of Newtonian mechanics.
- Created using a custom 2d physics engine built with vanilla JavaScript, starting from the basic equations and units of physics to maximize computational accuracy and software scalability.
- Objects and basal functionalities such as forces and velocities were built using object oriented design principles, providing readability, organization, and encapsulation.
- Designed from the ground up with efficiency in mind, with optimizations performed to avoid excess executions and memory usage.

Nile *(React/Redux, Rails 5, PostgreSQL, AWS w/ Rails ActiveStorage)*   **live** | **github**
A single-page fullstack clone of Amazon.
- Implemented a smooth and secure user authentication process using Rails session token conventions and BCrypt hashing and salting for password storage.
- Developed a custom search functionality by utilizing a redux state which is dynamically updated based on the resulting query string, allowing users to search for products by category and keyword seamlessly.
- Optimized database usage and eliminated N+1 queries by observing SQL and Active Record best practices.
- Stored images on AWS S3 and used Rails ActiveStorage to associate them with products in the database.

EDUCATION

Stony Brook University - *BS Physics 2014 - 2018*
App Academy - *Highly selective and intensive four-month software development training program* 2021

EXPERIENCE

Delivery Driver
East Setauket Ventures Corp - Full Time   Oct 2017 - Apr 2021
- Recognized by management for exceptional consistency, reliability, innovation in process efficiency, and ability to respect and be respected by teammates, leading to frequent entrustment with company assets and management responsibilities such as organizing delivery logistics for important holidays.
- Delivered an exceptional customer experience, building relationships which contributed to customer retention.

General Laborer
Howell Township Department of Public Works - Seasonal Full Time   Jun 2015 - Aug 2018
- Recognized and respected by coworkers and superiors for consistently high-quality work and reliability.