

Daniel Wu

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Brooklyn, NY

[PORTFOLIO](#)

[GITHUB](#)

[LINKEDIN](#)

SKILLS

Python, JavaScript, React, Redux, HTML, CSS/SCSS, Ruby, Ruby on Rails, Mongoose, MongoDB, Node.js, Express.js, SQL, SQLite3, PostgreSQL, TDD, RSpec, Webpack, jQuery, Git, Heroku

PROJECTS

InLink - *LinkedIn Clone (Ruby on Rails, PostgreSQL, React/Redux, HTML, SCSS)*

[live](#) | [github](#)

- Built a pixel perfect clone of LinkedIn using CSS flexbox and grid to maintain a flexible layout
- Implemented client-side error-handling to reduce unnecessary AJAX requests and improve performance
- Stored and accessed user's avatar and background with AWS S3 media storage and Rails Active Storage
- Improved user experience by eager loading SQL database queries for posts, comments, & user profiles
- Utilized the Intersection Observer API to implement infinite scrolling and improve scalability

LaceUp - *Pickup Sports Platform (MongoDB, Express.js, React/Redux, Node.js, HTML, SCSS)*

[live](#) | [github](#)

- Oversaw project planning, implementation and testing as the project lead while maintaining the team's morale and motivation through frequent communication
- Delegated work equitably based on the team member's roles and assigned deadlines for each task
- Built user profiles, events, teams and posts features with CRUD functionality and utilized React's lifecycle methods to manage application state and send AJAX requests

Sweepa - *Pathfinding Robot Vacuum Simulator (JavaScript, HTML, SCSS)*

[live](#) | [github](#)

- Designed two custom cleaning algorithms with varying efficiencies and implemented four modes with different pathfinding algorithms for the robot's docking system
- Optimized Dijkstra's, A* search, and Greedy Best First search algorithms with early termination and the usage of minimum heaps as priority queues
- Leveraged JavaScript's asynchronous async/await keywords in the pathfinding algorithms to maintain the interval between successive setTimeout calls which improved the user's experience

EXPERIENCE

Physical Therapy Aide - *JAG-ONE Physical Therapy*

Jan 2020 - Mar 2020

- Communicated effectively with coworkers to allow for smooth transition within patient's treatment plan
- Guided patients through appropriate warm up, exercises and rehabilitation
- Maintained a clean and proper work environment throughout the day
- Demonstrated efficient time management by strategically prioritizing tasks

Manager - *Minus10 Ice Cream*

Jun 2016 - Aug 2018

- Worked in a fast-paced environment, demonstrating ability to work with a sense of urgency
- Achieved high output through effective delegation of a team of eight juniors
- Maintained a positive, empathetic, and professional attitude toward customers at all times
- Handled cash and card transactions with high accuracy to ensure a flawless payment process
- Challenged conventional practices and improved methods by maximizing efficiency

EDUCATION

Strucy - *Data Structures & Algorithms Course*

Summer 2021

Solved 100 problems in JavaScript and Python covering topics in Graphs, Binary Trees, Linked Lists, and more

App Academy - *Full Stack Web Development*

Spring 2021

Immersive software development course with a focus on full-stack web development, which entailed 1000+ hours of coding

Stony Brook University - *BS, Health Science (Healthcare Management)*

Spring 2019

Societies: Lambda Phi Epsilon (New Member Educator, Fundraiser, Performance)

Stuyvesant High School

Spring 2015

Extracurriculars: Handball, Rowing, Gymnastics, Track, SING!, Key Club