

Madison Combs

Full Stack Software Engineer

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EDUCATION:

Fordham University, Bronx, NY

Completed May 2021

Bachelor of Science in Computer Science

The Grace Hopper Program at Fullstack Academy

August 2022 - October 2022

Software Engineering Certificate

TECHNICAL SKILLS:

JavaScript, C#, C++, Java, Redux, Node, React Native, TypeScript, Express, Sequelize, Angular, Sequelize, HTML, CSS, Tailwind, Bootstrap, SQL, PostgreSQL, git, github, Mocha, Jasmine, Karma

TECHNICAL PROJECTS:

Keepsake | Full Stack Software Engineer | <https://keepsake-2208.herokuapp.com>

- Solely responsible for the front end design of all components, including creating a responsive user interface for mobile and desktop devices that also implements animation to enrich user experience.
- Implemented profile component which has multiple displays for users to organize their information.
- Technologies: Javascript, React V6, React-Redux, Node, Bootstrap, Express, Sequelize.

Boba Shoppe Ecommerce | Full Stack Software Engineer | <https://github.com/GraceShopperBoba/Boba-Shoppe>

- Developed an Ecommerce application with experience dependent on if the user is logged in to an account or not.
- Implemented and managed RESTful API's and the Redux store, creating a seamless flow of data between the front and backend.
- Technologies: Javascript, React V5, React-Redux, Node, Express, Sequelize, Stripe.

Tower of Hanoi | Solo Developer | <https://codepen.io/mcombs7/details/yrZpRK>

- Formulated logic that ensures the moves the player makes abide by the rules of the mathematical puzzle and determine if the player has successfully completed the puzzle.
- Technologies: HTML, CSS, Bootstrap, JavaScript.

EXPERIENCE:

Selective Insurance

May 2020 – June 2022

Information Technology Trainee | Glastonbury, CT

- Increased test coverage by creating TypeScript specs to conduct Angular unit testing using the open-source testing tools Karma and Jasmine.
- Contributed to requirement analysis and refinement conversations to estimate appropriate timelines for projects based on complexity and conditions in an Agile environment.
- Created a SQL script generator tool using C# and SQL to automate the process of creating multiple SQL statements by applying the information entered in the GUI.
- Assisted in the onboarding of new hires by setting up their development environment, demonstrating how to run locally, and giving an overview of the code base for the quoting system.

Clarity Software Solutions, Inc.

May 2019 – January 2020

Software Engineer Intern | Madison, CT

- Identified systemic problems in the code using SonarQube, a code quality inspection tool, to provide revisions to the code which prevented undefined behavior and security hotspots from occurring.
- Focused specifically on preventing SQL injection by tracing the origin of variables being concatenated in SQL queries, which ensured they were not potential threats.
- Created an application in Java that connected to the MySQL database to retrieve the runtime and file size of individual files being processed.