

MICHAEL SHEN

Michaelshen85@gmail.com | (646) 339-5515

[Github](#) | [LinkedIn](#) | Portfolio

TECHNICAL SKILLS & CERTIFICATIONS

Languages: HTML, CSS, JavaScript, Python, Ruby, SQL, Java, C/C++

Technologies: Ruby on Rails, React/Redux, PostgreSQL, MongoDB, Git/Github, AWS S3, Heroku, Express, NodeJS, Google Maps API, Canvas API, Linux Command Line, VS Code

Actuary Exams: Probability, Financial Mathematics, Investments and Financial Markets

EDUCATION

CUNY Hunter College

Bachelor of Arts in Computer Science & Math

New York, NY

Expected: Spring 2024

App Academy

Software Engineering Immersive Program

New York, NY

September 2022

PROJECTS

Froggy Bash

A JavaScript game showcasing classic arcade game mechanics using: JavaScript, CanvasAPI, HTML5, CSS3

- Built an object-oriented class system for game entities, allowing for quick feature implementation and customization.
- Developed a system using event listeners and game state to conditionally apply user input by checking if user is allowed to invoke that action based on the current game state.

LoopedIn

A LinkedIn inspired networking application using: Rails, PostgreSQL, JavaScript, React/Redux, HTML5, CSS3

- Designed a create/edit system for posts and comments using React to conditionally render the edit and create forms depending on the local state.
- Implemented a like system using a backend polymorphic association to subscribe likes to both posts and comments.
- Incorporated AWS S3 and constructed a Singleton pattern for image association on the backend, allowing users to store an image for their profiles and posts.

Tee Time

A golf events group finding application using: MongoDB, Express, JavaScript, React/Redux, HTML5, CSS3

- Utilized Google Maps API to display course information and events associated with a specific golf course, allowing users to filter events by courses.
- Employed Redux state architecture to render events and groups that belong to the user.
- Populated events with a suggested tag, depending on the local state of associated user groups.

EXPERIENCE

CUNY Baruch College – Student Academic Consulting Center

Teaching Assistant & Tutor

New York, NY

January 2021 - May 2022

- Tutored students in the following topics: Algebra, Calculus, Probability Theory.
- Reinforced lessons presented by the primary instructor through weekly recitations for cohorts of 20+ students, increasing the average class grade by 50%.
- Provided targeted one-on-one interactions for students as needed, improving weekly attendance to 90-95%.