TZIPORA GUTMANN

Clifton, NJ • (973) 930- 5132 • tziporag93@gmail.com • LinkedIn • GitHub

SKILLS

Languages: Typescript, JavaScript, Java, C#, HTML, CSS, SQL
Technologies: Angular, React, PostgreSQL, Docker, RESTful API, nodejs

EDUCATION

Touro University, Brooklyn, NY — Graduated September 2022

B.S in Computer Science
G.P.A: 4.0
Recipient of Touro's Dean Scholarship and Academic Scholarship
Recipient of the Outstanding Scholar Award

WORK EXPERIENCE

Haven Technologies (MassMutual subsidiary), New York NY — Current
Full Stack Developer

- Collaborated on the development of new features, leveraging TypeScript and Angular to address both backend and frontend changes, satisfying customer requirements.
- Volunteered to join an urgent temporary team responsible for revitalizing the regression testing suite. Successfully repaired numerous broken test assertions, enabling the integration of the testing suite into the CI/CD pipelines. This enhancement ensured the detection of faulty code before merging any modifications into the development environment, significantly reducing production bugs.
- Expanded the test coverage by incorporating additional test cases to validate newly introduced features, thus enhancing the reliability and robustness of the software.
- Diligently investigated and resolved production bugs as they surfaced, implementing complex business logic requirements to resolve future errors, and mending live production data with data migrations.
- Improved and introduced new API endpoints, as part of the effort to build a SaaS friendly environment.

Haven Technologies (MassMutual subsidiary), New York NY — June – August 2022
Full Stack Developer Summer Intern

- Built a new Angular component from scratch, serving as a new tab within a front-end application. This involved following a Figma protype for the design and component functionality.
- Integrated a new design system into the existing codebase, updating both the Angular components and CSS classes to improve maintainability, consistency, and visual appeal of the UI.
- Implemented a new endpoint into the system, leveraging Ngrx to efficiently retrieve and store the data from the API response.

BluEdge, New York NY — October - November 2021
3D printing Intern

- Gained a new skill in a unique area of technology, learning to design and render 2D and 3D prints using industry-standard software such as Rhinoceros 3D.
- Created intricate designs while ensuring precision and accuracy in their representation.

PERSONAL PORTFOLIO

- Please explore more about me and what I can do by following this link:

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PROJECTS

Recipe Website

- Designed a recipe website from scratch using the React framework and JavaScript. The process included sketching a wireframe, testing API calls using Postman, fetching data from a REST API, and using CSS to enhance the styling.
- Allows the user to favorite and share recipes via email, generate a weekly menu, search, filter and browse recipes, and read and follow specific recipes.

- Developed a fully functional recipe website from the ground up, utilizing the React framework and JavaScript. The project encompassed various stages, starting with sketching a wireframe to outline the website's structure and layout.
- Conducted thorough testing of API calls using Postman, ensuring seamless integration with the backend. This involved verifying the accuracy and reliability of data retrieval and manipulation.
- Implemented robust functionality to enable users to favorite recipes and share them via email. Additionally, incorporated features such as generating a weekly menu, allowing users to search, filter, and browse recipes effortlessly.
- Designed an intuitive user interface using CSS, enhancing the visual appeal and usability of the website. The styling choices aimed to create an engaging and immersive experience for users as they explore and interact with the recipe content.
- Implemented the ability to read and follow specific recipes, providing users with step-by-step instructions and supporting them throughout the cooking process.

Distributed System Program

- Simulated a distributed system using client/server socket connections in Java to allow client programs to submit 'jobs' to a controller. The controller managed the 'jobs' and sent them to the most efficient agent for completion.
- Used threads to create this program to allow multi-directional communication to occur simultaneously.

- Developed a simulated distributed system in Java, utilizing client/server socket connections. This system allowed client programs to submit "jobs" to a central controller, which efficiently managed and distributed these jobs to the most suitable agent for completion.
- Leveraged the power of threads to create a multi-directional communication environment. This allowed concurrent communication to take place simultaneously, enabling efficient coordination between the clients, the controller, and the agents.

By implementing this system, client programs were able to submit their jobs to a central controller, which intelligently distributed them to the most efficient agent for execution. The utilization of threads facilitated seamless and efficient communication among the various components of the system, enhancing its overall performance.

Meme Generator Program

- Designed a program in Java that allows a user to take an image saved on their local device and write customized text over it, saving it as a meme.

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Worked in a group of three using an Agile style approach, receiving and implementing changes to the program based on feedback from an assigned client

- Developed a Java program that enables users to select an image from their local device and overlay customized text onto it, thereby creating personalized memes. The program allowed users to modify and save the edited image with the added text.
- Collaborated within a group of three individuals, employing an Agile approach to project management. This methodology involved iterative development, frequent communication, and continuous feedback loops to ensure efficient progress and client satisfaction.
- Actively incorporated changes and updates to the program based on feedback received from a designated client. This feedback-driven development process ensured that the program met the client's requirements and expectations, resulting in a tailored solution.