

Renjie Zhou

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Work Experience

- Sept 2022 - Oct 2023 **Software Engineer**, *Shoppable®*, New York, NY
- Redesigned the dashboard in **React/CSS/Node.js** to handle Google Analytics 4 and reduce unnecessary information
 - Redesigned the Ad Experience to use **Handlebars.js/CSS** to reduce load times by about 90% and to integrate the DTC checkout experience
 - Created a REST API in **Node.js** to allow users to programmatically conduct checkouts for greater flexibility in integrating with Shoppable
 - Refactored all **React** projects to dynamically handle different localizations
- Jul 2021 - Sept 2022 **Junior Software Engineer**, *Shoppable®*, New York, NY
- Created builders for DTC and InstantShop with **React/CSS/Node/MongoDb** to let users save their customization for the cart and shop layouts.
 - Created an interface **React/CSS/Node/MongoDb** to allow the user to save customized details about specific products
 - Refactored the code base for DTC to follow better **React** practices, reducing the code base by about 15% and improving performance by about 20%
 - Designed and built an admin interface in **React/CSS/Node/MongoDb** to allow internal employees to manage information about merchants and customers
- Jul 2019 - May 2021 **Software Developer**, *Sphere Technology Solutions*, Hoboken, NJ
- Fixed UI bugs on Sphereboard in **Vue.js** to fix broken functionality, and changed **SQL** stored procedure logic to return accurate information.
 - Added new features in **Vue.js/ASP.NET/SQL Server** to improve usability, such as the violation work table and the suspected admin finder.
 - Modified the Connectors and Ingestor in **C#** to collect/process additional information about files and folders, and to improve stability.
- Jun 2018 - Aug 2018 **Intern**, *MedAZ.net*, West Windsor, NJ
- Built RESTful APIs in **C#** to dynamically retrieve and update website data.
 - Utilized OATH authentication to allow password-less login via external services such as Facebook or Google.
 - Sped up **SQL Server** access by replacing the previous Entity Framework with the faster Dapper ORM library.
- Jul 2017 - Aug 2017 **Developer Intern**, *MedAZ.net*, Princeton Junction, NJ
- Refactored the MaiEDEN web app to improve user accessibility and usability.
 - Changed the color and position of buttons.
 - Added functionalities such as a contact form, and a new service page.

Education

Aug 2014 - May 2019 **B.E. Computer Engineering**, *Stevens Institute of Technology*, Hoboken, NJ

Projects

- GEDCOM (genealogical data) parser** A **Python** GEDCOM file parser to display information about a family tree, such as living people, and catch errors, such as incorrect dates.
- Music Search and Recommendation** A **Node.js** web app to find songs based on user defined query (title, artist, etc).
- Boss Fight** A **Java** turn based game where one fights 7 bosses in a row.

Skills

Programming Languages C#, CSS, HTML, JavaScript, Python, SQL

Libraries/Frameworks Bootstrap, Express.js, Node.js, React.js, Vue.js

Miscellaneous Tools Git, Google Cloud, MongoDB