

# Renjie Zhou

## Work Experience

- Sept 2022 - Oct 2023 **Software Engineer**, *Shoppable®*, New York, NY
- Revamped dashboards using **React.js/CSS/Node.js/MySQL**, streamlining data widgets by approximately 10% to enhance clarity and reduce visual clutter.
  - Integrated unit testing such as Cypress and Mocha to reduce dependency on manual testing, resulting in a more well tested code base.
  - Redesigned the Ad Experience to use **Handlebars/CSS** to reduce load times by 90% and to integrate the DTC checkout experience.
  - Developed a Rest API utilizing **Node.js** filling an unmet need for programmable access to checkout and enhancing flexibility in integration with Shoppable.
  - Refactored all **React.js** projects to dynamically handle different localizations, allowing expansion into non American markets.
- Jul 2021 - Sept 2022 **Junior Software Engineer**, *Shoppable®*, New York, NY
- Created builders for DTC and InstantShop with **React.js/CSS/Node.js/MongoDB**, resulting in users being able to save their layout customizations for both products.
  - Maintained a static page through a **Google Cloud** bucket to maintain PCI compliance and to prevent customers from potentially dealing with this burden.
  - Enhanced the code base for DTC to adhere to best **React.js** practices, reducing the code base by approximately 15% and enhancing performance by 20%.
  - Created an internal package in **TypeScript** to reduce dependencies on third party libraries.
  - Integrated third party APIs in a **Google Cloud** function to prevent fraud issues that caused bottlenecks in order processing.
- Jul 2019 - Jun 2021 **Software Developer**, *Sphere Technology Solutions*, Hoboken, NJ
- Fixed UI bugs on the Sphereboard web app 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 and expand information about customer's servers.
  - Modified the Connectors and Ingestor executables in **C#** to collect/process additional information about server files and folders, and to improve stability.
- Jun 2018 - Aug 2018 **Intern**, *MedAZ.net*, West Windsor, NJ
- Built Rest 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.
  - Made changes to the MaiEDEN web app to improve user accessibility, modernize the UI, and added pages such as a contact form and services page.

## Education

Aug 2014 - May 2019 **Bachelor of Engineering; Computer Engineering**, *Stevens Institute of Technology*, Hoboken, NJ

## Projects

- GEDCOM (genealogical data) parser** A **Python** GEDCOM file parser to display information in the terminal about a family tree and catch errors in the file, built as a way to practice iterative development.
- Resume API** A small application deployed through **AWS's** App Runner that returns this resume as JSON, as a way to gain experience with AWS.
- Boss Fight** A **Java** command line turn based game to practice building more complex software.

## Skills

- Languages C#, CSS, HTML, JavaScript, Python, SQL, TypeScript
- Libraries/Frameworks ASP.NET, Bootstrap, Express.js, Node.js, React.js, Redux, Vue.js
- Tools Cypress, Git, GitHub, Google Cloud Function (GCP), Jest, JSON, Jira, MongoDB, MySQL, Solr, VSCode