Renjie Zhou

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Education

Aug 2014 - May 2019 **B.E. Computer Engineering**, *Stevens Institute of Technology*, Hoboken, NJ
- IEEE student branch
- Stevens Computer Science Club (SCSC)
- Society of Asian Scientists and Engineers (SASE)
- Filipino Association of Stevens Tech (FAST)

Work Experience

Sept 2022 - Present **Software Engineer**, *Shoppable®*, New York, NY
- Added Solr integrations to Shoppable's in-house ORM
- Refactored projects to remove unused npm packages and clean up code base
- Set up automated tests utilizing Cypress in order to ensure DTC functioned as expected
- Created an endpoint to allow users to programmatically conduct checkouts

Jul 2021 - Sept 2022 **Junior Software Engineer**, *Shoppable®*, New York, NY
- Created builders for DTC and InstantShop to let users customize the look and layouts.
- Created an interface to allow the user to change details about specific products
- Refactored the code base for DTC to follow better React practices, resulting in a better performance and smaller code base
- Designed and built an admin interface 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 to fix broken functionality, and changed stored procedure logic to return accurate information.
- Added new features to improve usability, such as the violation work table and the suspected admin finder.
- Modified the Connectors and Ingestor 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 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 database 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.

Nov 2015 - May 2018 **Publication Assistant**, *Stevens Physics Department*, Hoboken, NJ
- Transcribed supervisor's research papers in LaTeX in preparation for publication.
- Retrieved articles from journal publications for supervisor's collection.
- Aided the supervisor with personal tasks, such as delivering items between his apartment and his office.

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 **JavaScript** 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

Languages CSS, HTML, JavaScript, Python

Tools/Technology Git, Google Cloud, Jira, MongoDb, LaTeX, Ubuntu, Visual Studio Code, Webstorm IDE

Web Tools Bootstrap, Express.js, Node.js, React.js, Vue.js