

Shimin Zhang

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Experience

Contract Software Engineer · Charter Communications · *April 2025 - Present*

- Maintainer of React Kite, the React component library for Charter's Kite Design System.
- Create new styling guidelines, standards documentation, and tooling – including custom linters and component library specific MCP server – as a part of a new Charter branding rollout.
- Create new E2E and unit tests and pipelines for React components to ensure components meet specification and are regression proof.

Senior Software Engineer · FloQast Inc · *May 2023 - Jan 2025*

- Senior developer on the Variance Analysis module of the FloQast accounting software platform. Contribute to increase in module adoption by 11% and module ARR by 35% over 15 months.
- Spearheading the development of Variance AI Explanation, one of the first LLM based features on the platform.
- Practice Customer-Driven Development, starting from engaging end-users in pain-point definition interviews and working with product managers on refining product features through delivery, and solicitation of post delivery feature feedback.
- Lead a team of developers, growing from 3 to 9, mentored junior devs via 1:1 meetings and book clubs. Collaboratively set the tone of the team's culture and standards.

Senior Software Engineer /

Principal Architect I · Charter Communications · *May 2021 - May 2023*

- Maintainer of Kite Vanilla, the web platform library for Charter's Kite Design System.
- Implement React and Angular-based UI components utilizing Kite Vanilla.
- Manage the Kite cross-platform application demo project using a combination of Kite and Ionic framework components and create mobile platform component variants.
- Collaborate with designers and cross business unit developers to implement consumer extensions and themes based on the Kite design system.
- Created tools such as VS Code plugins and documentation generators to enhance the developer experience with the design system.

Freelance Software Engineer · Self-Employed · *Nov 2020 - May 2021*

- Self-employed full-stack web developer with an emphasis on front-end development.
- Created dashboards with process data visualization in the pharmaceutical market, sales calculators for the e-commerce market, and video scheduling software for the virtual conference market.
- Managed project features, negotiated project scopes, and designed front-end implementation as needed.

Software Engineer / Senior Software Engineer · Itential, LLC. · *Feb 2019 – Nov 2020*

- Implemented network and business process automation using the Itential Automation Platform for large enterprise clients.
- Served as a tech lead and client-side platform SME embedded in an Agile team, conducting knowledge transfer/training sessions.
- Implemented high availability mongoDB replication sets to support a Kafka-based message hub between Itential and external enterprise microservices.

Graduate Teaching Assistant · Georgia Institute of Technology · *Aug 2017 – Dec 2018*

- Teaching Assistant for Dr. Ashok Goel's Knowledge-Based Artificial Intelligence course and Dr. Charles Isbell's Machine Learning course.

Software Engineer · Forio Corporation · *Jan 2015 – May 2016*

- Build business simulation solutions using Node.js, React, Redux, Backbone.js, and the Forio Epicenter platform. Clients range from Fortune 100 corporations to top US universities.

Junior Software Developer · Redstage Networks, LLC. · *June 2012 – Sept 2013*

- Launched multiple eCommerce websites from design to launch using the PHP framework Magento.

Skill

Languages: **JavaScript** · **Typescript** · **Python** · **Java** · **Ruby** · **PHP** · **SQL**
Tools: **React.js** · **AngularJS** · **Node.js** · **GraphQL** · **MongoDB** · **Express** · **Docker**
Ruby on Rails · **Git** · **Sass** · **Jest** · **Wordpress** · **Playwright** · **Numpy**
Certifications: **AWS Cloud Practitioner** · **AWS Machine Learning Specialization**

Education

Georgia Institute of Technology Atlanta, GA · M.S. in Computer Science
CUNY Baruch College · New York, NY · B.A. in Mathematics

Publication

Goel, A., Hagopian, K., Zhang, S., Rugaber, Towards a Virtual Librarian for Biologically Inspired Design..Gero, J.S. (eds) *Design Computing and Cognition 20*. Springer, Cham..

Zhang, Shimin. Information Overload and Computer-Supported Collaborative Learning: Insights from Agent-Based Modeling. *Fifth Annual Conference on Learning at Scale (L@S 2018)*.

M. Zafar, [et all, including S.Zhang], Semi-parametric Approaches to Learning in Model-Based Hierarchical Control of Complex Systems. *International Symposium on Experimental Robotics (ISER-2018)*.