

Shiyu Wang

A full-stack engineer with experience and passion in designing, developing and debugging web application and mobile app; specializing mostly in JavaScript/Node.js but also work with Java and Python.

Experience

Workforce Development Program Instructor

Mar. 2018 – Present

Urban League of Eastern Massachusetts - Roxbury, MA

- Instructed students full-stack development to become entry-level engineers
- Designed curriculum of full-stacks development course
- Built and maintain company web application for 1,000+ monthly users
- Designed & Developed students management system to help teaching and managing students
- Collaborated with corporations, such as Google, MIT, Amazon Education and Wayfair to provide opportunities, workshop and resources for students

Business Solution Developer

Jul. 2014 – Dec. 2015

SourceOne Inc. - Boston, MA

- Worked on the front-end design and development of web portal development with JavaScript, Durandal.js and Telerik
- Managed Microsoft SQL server to update data structure and created procedures to support data for web portal
- Created dynamic Telerik and DevExpress Reports from SQL Server for company and clients
- Improved performance and UX of web portal for clients
- Debugged web application to fix issues causing by different browsers

Projects

Urban League of Eastern MA Web Application

Feb. 2019 - Present

<https://www.ulem.org>

- Implemented the MERN stack web application as company website
- Designed the mobile friendly User Interface for 46% mobile users
- Developed all features including events management and news notifications
- Maintained the application on AWS for 1,000+ users monthly
- Created Web API and session management on server side

MSIMBO Students Management System

May 2018 - Present

<http://www.msimbo.com/>

- Designed and implemented full-stack students management systems to help teaching and managing students
- Created mobile application for the system
- Developed and maintained all features including assignment, resources, contact, video, assessment, grading and user management
- Used React hooks and Redux to simplify the future maintenance
- Implemented JSON Web Tokens for authentication
- Created Web API on server side

Web Maker Application

Sept. 2017 - Nov. 2017

<https://web-maker-sw.herokuapp.com/>

- Designed and Developed full-stack application to allow users create websites in seconds with full flexibility to customize everything
- Created Web API on server side
- Designed the mobile friendly User Interface

Personal Info

Address

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E-mail

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Website

<https://www.shiyu-w.com/>

LinkedIn

<https://www.linkedin.com/in/shiyu-w>

Technical Skills

Languages

JavaScript, HTML, CSS, SASS/SCSS,
Java, Python, SQL/NoSQL

Frameworks/Libraries

React.js, jQuery, React Native,
Redux, Angular, Vue.js, Bootstrap,
Node.js, Express, Spring MVC,
Jasmine, TypeScript

Databases

MySQL, Microsoft SQL (T-SQL),
MongoDB (NoSQL), SQLite

Development

OOP, TDD, Agile Methodology

Tools

Git, JIRA, Telerik, VS/VS Code,
WebBrain, Spring Tool Suit,
Android Studio, Heroku, AWS

Education

M.S. Computer Science

2016 - 2017

Northeastern University
Boston, MA

B.S. Computer Science, Minor in Math

2012 - 2016

Northeastern University
Boston, MA