Alice **Zou**

Hamilton, Ontario, L9A 4P6 | 437-607-5285 | alicezou05@gmail.com | alice-zou-canada

Front End Engineer

An accomplished Front End Engineer with experience in multiple industries doing front-end development with strong focus on Angular. Passionate about building beautiful and functional user interfaces with smooth and seamless client experience because it is satisfying for me to know the products I build have nice and positive impacts for people who use them. Creative in problem solving, innovative, and focused on continuous personal development.

Front End Engineering | Technology Solutions | User Experience | Quality Assurance | Testing and Debugging
Project Management | Tenacity | Innovation | Proactivity | Problem Solving | Collaborative | Passion for the Web

Technical Skills

Programming: Angular | Javascript | React | Typescript | HTML | CSS | Git | SCSS | Responsive and Mobile Design | Web Accessibility | Node | Express | Knex | MySQL | Restful API

Work Experience

RBC Ventures - MoveSnap, Toronto   2021-2024

Front-End JavaScript Engineer (Angular)

Worked on the Venture: MoveSnap - a Moving Concierge Service that helps Real Estate Agents, Brokers, and Home Builders to enhance the relationships with their clients. Developed the user interfaces for the whole suite of applications using Angular.

- Developed new features for MoveSnap application suites adhering to best practices using Angular, improving user experience
- Led the architectural design of the new MoveSnap App portal theme, ensuring uniform styling throughout the application
- Guided discussions with designers and product owners, achieving consensus on design and implementation improvements
- Designed, architected and took ownership of the features and code developed, consistently expanding scope and complexity
- Successfully upgraded Angular 11 to Angular 13, and enhanced existing code to meet evolving team standards
- Actively learned and applied RxJS, BEM, and SASS, contributing to project advancements
- Engaged actively in the SCRUM Agile process, identifying issues and promoting best practices within team
- Engaged in comprehensive requirements gathering, identified inconsistencies in product stories, ensuring they were effectively addressed
- Offered insightful feedback on peers' code, and onboarded new team members, contributing to a culture of continuous improvement
- Collaborated with developers, product owners and designers

DF/Net Software ULC, Dundas, Canada   2018 - 2020

Software Developer (Angular Web Developer)

Worked on an existing web application: DFweb - a browser-based data collection and data review solution for clinical trials. https://www.dfnetresearch.com/software/dfweb/

- Improved existing features, fixed bugs, developed numerous new features and adopted responsive design principles for different screen sizes
- Designed DFweb software architecture, introducing backward compatibility for all server versions; Utilized service-component best practice pattern in Angular
- Mainly used AngularJS, Angular8, JavaScript, TypeScript, HTML5, CSS3, Bootstrap3 and 4, Webpack, and NodeJS for the frontend web development
- Continuously refactored code in terms of best practices and new available technology; Upgraded AngularJS to Angular 8, and simultaneously upgraded the libraries from Bootstrap 3 to Bootstrap 4 and Angular UI to Angular Bootstrap
- Contributed to the documentation of DFweb User Guide

McMaster University, Hamilton, Canada   2017 - 5 months

Research Assistant (Angular Web Developer)

- Designed a web-based visualization platform for Canarie Intrusion Detection System, which used a PAC (Presentation-Abstraction-Control) software design architecture. Used Angular 2, HTML5, CSS3 and Material Design Lite as the frontend. The backend was Node.js, and the database search solution used Elastic stack (File beat, Logstash, Elasticsearch, Kibana, TLS connection, RabbitMQ). Log source files came from the Bro (now called Zeek) Intrusion Detection System.

Education

Diploma in Software Engineering (GPA: 95%)   2024

BrainStation Toronto, Canada

Master in Computer Science (GPA: 3.8) 2015 - 2017

McMaster University Hamilton, Canada

Visiting student in the Department of Computing and Software 2014 - 2015

McMaster University Hamilton, Canada

Certificates

Angular Core Deep Dive - Beginner to Advanced (Angular 17) Issued Dec 2023 from Udemy
SQL Intermediate Issued Feb 2024 from sololearn
Introduction to SQL Issued Feb 2024 from sololearn
Education 750: Principles and Practices of University Teaching. (2015 Certificate from McMaster University)

Publications

Zou, A., & Down, D. (2018). Asymptotically maximal throughput in tandem systems with flexible and dedicated servers. *Asia-Pacific Journal of Operational Research*, *35*(05), 1850038-1-1850038–15. https://doi.org/10.1142/S0217595918500380

Talks

DFUG 2018 Conference, DF/Net Research Inc, Seattle-Renton, USA Sep. 2018

Hands-on with DFdiscover 2018, DFweb, and DFcollect

CanQueue 2016 Conference, McMaster University, Hamilton, Canada Aug. 2016

Asymptotically Maximal Throughput in Tandem Systems with Flexible and Dedicated Servers

Honors & Awards

Nominee of the Keith Leppmann Teaching Assistance Excellence Award, McMaster University, Hamilton, Canada 2016

Service and Outreach

Engineering Graduate Society (EGS), McMaster University, Hamilton, Canada 2016

Student Life and International Officer, as a representative of Computing and Software Department

Life In Computing & Software (LICS), McMaster University, Hamilton, Canada 2016

Co-founder and Vice-President Internal/External

- Club for improving the studies and lives of graduate students in the Computing and Software department

Volunteering

Occasion Volunteer, Access Tech; Bring awareness of reusing e-Waste, McMaster University, Canada 2022-2023

Volunteer, Social Group; Brainstorming ideas for social events, RBC Ventures, Canada 2021

Volunteer, Fall Preview Open House (Department Showcase); informing prospective students and parents about programs and student life in the Computing and Software department., McMaster Univ., Canada 2016