

Alice Zou

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Summary

An accomplished FrontEnd Engineer with experience in multiple industries doing front-end development with strong focus on Angular. Passionate about building beautiful and functional user interface with smooth and seamless client experience. Creative problem-solver, innovative, and focused on continuous personal development.

Education

McMaster University MASTER IN COMPUTER SCIENCE (GPA: 3.8)

2015 - 2017 *Hamilton, Canada*

McMaster University VISITING STUDENT IN THE DEPARTMENT OF COMPUTING AND SOFTWARE

2014 - 2015 *Hamilton, Canada*

Work Experience

RBC Ventures - MoveSnap

Remote

FRONT-END JAVASCRIPT ENGINEER

2021-2024

Worked on the Venture: MoveSnap - a Moving Concierge Service that helps Real Estate Agents & Brokers & Home Builders to enhance the relationships with their clients. Developed the seamless smooth user interface for the whole application suites and the new version one using Angular.

- Developed new features for MoveSnap application suites adhering to best practices using Angular and earning positive code reviews
- 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
- Improved/Refactored existing code to align with current team standards and practices
- 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
- Proactively engages in comprehensive requirements gathering, demonstrating a tenacious approach to understanding tasks by posing well-thought-out questions; Meticulously identifies inconsistencies in product stories and development approaches, ensuring they are effectively addressed
- Exhibits coding prowess that consistently meets or surpasses my experience level, showcasing a remarkable commitment to sustainability; Code delivery reflects a high standard of quality and innovation
- Possesses an adept understanding of the development process, adhering to team best practices with precision; Not only identifies issues but also offers insightful feedback on peers' code, contributing to a culture of continuous improvement
- Displays an insatiable appetite for learning, consistently integrating newly acquired knowledge into the daily work; Commitment to ongoing improvement is evident in the proactive application of newfound insights, fostering a dynamic and evolving work environment
- Onboarded a new technical team member and enriched the Confluence onboarding process with updated procedures, new technical documentation, and insightful feedback
- Collaborated with developers, product owners and designers
- Upskill Angular with advanced topics and new features in Angular 17 from the course: Angular Core Deep Dive(Angular 17)

DF/Net Research (Formerly called DF/Net Software ULC)

Dundas, Canada

SOFTWARE DEVELOPER

2018 - 2020

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

RESEARCH ASSISTANT (ANGULAR WEB DEVELOPER)

2017 - 5 months

- Designed a web-based visualization platform for Canarie Intrusion Detection System, which used a PAC (Presentation-Abstraction-Control) software design architecture. I 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.

Professional Skills

Programming Angular, Javascript, Typescript

Certificate Angular Core Deep Dive - Beginner to Advanced (Angular 17) Issued Dec 2023

Digital Design Inkscape, Figma

Presenting/Teaching Education 750: Principles and Practices of University Teaching. (2015 Certificate from McMaster University)

Publications

Talks

DFUG 2018 Conference, DF/Net Research Inc

Seattle-Renton, USA

HANDS-ON WITH DFDISCOVER 2018, DFWEB, AND DFCOLLECT

Sep. 2018

CanQueue 2016 Conference, McMaster University

Hamilton, Canada

ASYMPTOTICALLY MAXIMAL THROUGHPUT IN TANDEM SYSTEMS WITH FLEXIBLE AND DEDICATED SERVERS

Aug. 2016

Honors & Awards

2016 **Keith Leppmann Teaching Assistance Excellence Award**, McMaster University

Hamilton, Canada

Service and Outreach

Engineering Graduate Society (EGS), McMaster University

Hamilton, Canada

STUDENT LIFE AND INTERNATIONAL OFFICER, AS A REPRESENTATIVE OF COMPUTING AND SOFTWARE DEPARTMENT

2016

Life In Computing & Software (LICS), McMaster University

Hamilton, Canada

CO-FOUNDER AND VICE-PRESIDENT INTERNAL/EXTERNAL

2016

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

Volunteering

2021 **Volunteer**, Social Group; Brainstorming ideas for social events

RBC Ventures,
Canada

2016 **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