Yizhi (Fred) Cui

Present Address
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Website and Email
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Skills & Qualifications

- Languages: JavaScript, Python, SQL, C#, C++, Java, bash, MATLAB
- Frameworks: React.js, Redux, ASP.NET, GraphQL, REST, Django, Storybook
- Databases: MySQL, ElasticSearch, PostgreSQL, MongoDB
- Tools and Technologies: Google Cloud Platform, AWS, WebRTC, Cypress

Work Experience

Software Engineer, Bing, Microsoft, Vancouver, BC — Aug, 2021 - Feb, 2023

- Implemented and AB-tested various visual improvements for ads with image (Multimedia Ads), showed user satisfaction gain
- Worked with large scale user data and applied data-driven decision making to effectively resolve production issues and find direction for improvements
- Maintained an ASP.NET internal tool that compares features side-by-side.

Full-Stack Engineer, Search, BenchSci, Toronto, ON, — Sept, 2019 - Aug, 2021

- Implemented UI interface using React/Redux for users to filter and search antibodies and other reagents based on 10+ criteria.
- Implemented various filter functionalities on complex antibody data using combination of Elasticsearch and SQL
- Designed and developed "recently searched" suggestions with PostgresSQL and Django

Application Developer, IBM Canada, Toronto, ON — Jan - Apr, 2019

- Used React, NodeJS and MongoDB for a internal staffing software
- Built Slack chatbot integration for employees' easy access to HR resources
- Used third-party library React ECharts for data visualization

Software Engineer, Yuja Corporation, Toronto, ON — Sept - Dec, 2017

- Built a video conferencing application from scratch using React and WebRTC.
- Hosted media server with EC2 on AWS and troubleshooted network issues.
- Implemented conference file sharing, whiteboard drawing functionalities.

Education

B.Cs, University of Waterloo , Canada, **GPA 3.6** — Sept. 2015 - Aug. 2019

Hobbies

Basketball, Rec League, Toronto, ON, — Winter 2020

- 0-7 for the season, averaged less than 5 points, with 20% 3 point accuracy