

Ian Yang

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Skills

Spoken Languages	English (Native), French (Immersion)
Programming Languages	JavaScript (TypeScript), C#, HTML/CSS (Sass)
Frameworks	React.js (Redux), Node.js, Express.js, .NET Core
Technologies	Git, Jira, Unix, Microsoft SQL, MongoDB, Postman

Education

University of Toronto, St. George Campus

HONORS BACHELOR OF SCIENCE IN COMPUTER SCIENCE & STATISTICS

Toronto, Canada

Sep 2015 - Apr 2020

Experience

JANA Corporation

JUNIOR SOFTWARE DEVELOPER

Aurora, Ontario

August 2020 - Present

- Owned, implemented, and deployed front-end features to production for a data-driven oil & gas pipeline survey management product using React.js (TypeScript) and Redux, enabling clients to efficiently plan, track, and verify inspections.
- Diagnosed and debugged production issues, implemented fixes, created pull requests, and conducted handover sessions providing source code reviews, potential solutions, and reproduction instructions.
- Communicated with SMEs, product owners, software developers, and QA analysts to provide progress updates and contribute to the SDLC in an Agile development environment, using Jira.
- Contributed to development estimations, identifying potential problems and recommending alternative solutions.
- Revised and updated internal instructional documentation for Azure pipelines builds, code compilation & MSI installer creation, and client machine installation for a cross-bore risk analysis product.
- Participated in discussions regarding user stories, product requirements, and software architecture choices.

Namar Canada

WEB DEVELOPER

North York, Ontario

May 2019 - Aug 2019

- Researched, designed, and built a website for Namar Canada, providing a multi-faceted gateway for information, presentations, and in-person workshops.
- Demonstrated leadership by conducting weekly Scrum sprints through effective communication using Trello.
- Refactored and optimized Qualsoft Corporation website code (LAMP) to improve web design and user experience
- Wrote and organized clear and concise user documentation to aid in general usage and future development.

Projects

League Oracle - Tesseract.js, React.js, Node.js (Express), MongoDB

[GITHUB.COM/IANYYANG/LEAGUEORACLE](https://github.com/ianyayang/leagueoracle)

- Leveraged Tesseract OCR Engine to identify players and characters from a game screen image.
- Implemented asynchronous programming and optimized image processing strategies, improving Tesseract performance by **450%**, character recognition accuracy by **30%**, and reducing image storage space by **35%**.
- Refactored code for improved code readability and modularity.

Spotify Karaoke - React.js, HTML, CSS

[GITHUB.COM/IANYYANG/SPOTIFYKARAOKE](https://github.com/ianyayang/spotifykaraoke)

- Engineered web scraper to gather and store lyrical data from Genius.com
- Configured endpoints from Spotify and Genius RESTful web APIs to fetch current playback information, user playlists, and control playback in real-time.