

# Ian Yang

🏠 [ianyang.ca](http://ianyang.ca) | ✉ [ianyyang00@gmail.com](mailto:ianyyang00@gmail.com) | 🌐 [ianyyang](#) | [in ianyyang](#)

## Skills

|                              |  |
|------------------------------|--|
| <b>Spoken Languages</b>      | English (Native), French (Immersion)             |
| <b>Programming Languages</b> | JavaScript (TypeScript), C#, HTML/CSS (Sass)     |
| <b>Frameworks</b>            | React.js (Redux), Node.js, Express.js, .NET Core |
| <b>Technologies</b>          | 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 - Jun 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/ianyyang/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/ianyyang/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.