

Ian Yang

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Skills

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|------------------------------|--|
| Spoken Languages | English (Native), French (Immersion) |
| Programming Languages | JavaScript, Python, Java, HTML/CSS (SASS) |
| Frameworks | React.js, Node.js, Express.js |
| Technologies | Git, Unix/Linux, MongoDB, Gulp.js, ESLint, Postman |

Projects

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

May 2020 - Present

GITHUB.COM/IANYANG/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

Mar 2020 - Mar 2020

GITHUB.COM/IANYANG/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.

Education

University of Toronto, St. George Campus

Toronto, Canada

HONORS BACHELOR OF SCIENCE IN COMPUTER SCIENCE & STATISTICS

Sep 2015 - Apr 2020

Experience

Qualsoft Corporation & Namar Canada

North York, Ontario

WEB DEVELOPER

May 2019 - Aug 2019

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

Goldenlink Academy & Pathway2Potential Foundation

Markham, Ontario

WEB DEVELOPER

Jun 2019 - Aug 2019

- Researched, designed, and built a website for both Goldenlink Academy and Pathway2Potential Foundation, integrating a Learning Management System web app as to provide online Ontario high school courses.
- Consulted and collaborated with administrative members and teachers to develop and optimize website requirements, graphics, and content.

UofT Science Communication Club

Toronto, Ontario

WEB DEVELOPER

Jan 2019 - Apr 2020

- Built, maintained, and updated website in accordance to the design team mock-ups.
- Helped co-ordinate multidisciplinary teams to develop website design, graphics, and content
- Generated **81%** increase in visits and **223%** increase in unique visitors within the last active month, in comparison to the first active month.