Ian Yang

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Skills

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/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   *Mar 2020 - Mar 2020*
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.

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 multidiscplinary 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.