# Ian Yang

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## Work Experience

**Faire Wholesale Inc**                                                                                               *Toronto, Ontario*
SOFTWARE ENGINEER II, FRONTEND                                                                            *Nov 2021 – Present*

- Led a **4**-engineer frontend team over a **3**-quarter implementation cycle to transition a free shipping subsidy to a co-funded program, reducing monthly shipping costs by **>65%**, closely collaborating with the Insider team through bi-weekly syncs and design docs.
- Led the frontend implementation of a soft credit check variant of the Open With Faire application form, increasing applications by **>35%**. Supported a V2 to automate the underwriting process with a third-party credit reporting API.
- Led the frontend implementation of an email opt-in nudge on the front page, resulting in a **10%** increase in marketing email subscriptions. Supported a future SMS opt-in nudge variant by collaborating on design docs.
- Managed **2** co-ops who each achieved top performance scores, by formulating growth plans, conducting weekly 1:1s and code pairings, and provided guidance as they successfully launched their own significant projects as project leads.
- Consolidated team-owned user journeys by auditing event tracking and end-to-end test coverage, building a road map to address coverage gaps, and delegating work amongst **3** frontend engineers.
- Completed frontend on-call rotations, performing daily smoke testing and deployments, quickly triaging and resolving blocking CI and end-to-end test issues.

**JANA Corporation**                                                                                                      *Aurora, Ontario*
INTERMEDIATE SOFTWARE DEVELOPER                                                                             *Aug 2020 – Nov 2021*

- Led and mentored a **5**-developer frontend team by directing, planning, and developing flagship enterprise software Lantern to meet multiple version release deadlines, generating **$3+ million** annually in licenses.
- Led and organized sprint retrospectives, strengthening team cohesivity, communication, and planning by empowering the team to make continuous and procedural improvements through actionable items.
- Reduced development time by **25%** by coupling processes and hand-offs between Lantern developer/QA teams.
- Minimized PR lag by **35%** by collaborating with frontend team members to consolidate workflows and processes.
- Discussed and validated product requirements, user stories, and development estimations with key stakeholders to break them down into features & development tickets in Jira.
- Developed and maintained Azure DevOps CI/CD pipelines, automating the building and deployment of development and QA environments.

## Skills

**Languages**   TypeScript, JavaScript (ES6+), HTML/CSS (styled-components, Sass)
**Frameworks**   React (Hooks, MobX, Redux)
**Technologies**   RESTful APIs, Jest, Mocha, Cypress, Storybook, Jenkins, Git, Figma, Jira

## Education

**University of Toronto, St. George Campus**                                                                      *Toronto, Canada*
HONORS BACHELOR OF SCIENCE IN COMPUTER SCIENCE & STATISTICS                                          *June 2020*

## Projects

**League Oracle - React, Node (Express), MongoDB, Tesseract OCR Engine, Riot Games API**

- 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%**.

**Spotify Karaoke - React, Spotify API**

- 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.