

# Ian Gu

Toronto, ON  
ian.gu@mail.utoronto.ca

[iangu.me](http://iangu.me)  
[linkedin.com/in/iancgu](https://linkedin.com/in/iancgu)  
[github.com/iangu48](https://github.com/iangu48)

## SKILLS

**Languages:** Java, Python, JavaScript, C, MIPS Assembly

**Frameworks and Tech:** Spring Boot, Flask, Express, React.js, React-native, MySQL, MongoDB

**Tools:** Git, shell/bash, Linux, Parse-Platform, Firebase, AWS EC2, Heroku, Google Cloud Services

---

## WORK EXPERIENCE

**University of Toronto Information & Instructional Technology Services**

Sep 2019 -- Apr 2020

Software Developer

- Co-lead the migration of a legacy student service system from **PHP** to **Java Spring Boot** in order to build a more secure application
  - Wrote **MySQL** migration scripts in order to mitigate inconsistencies among database and code
  - Escalated issues to address security concerns involving storing sensitive data
  - Worked fast to write reusable code, reducing expected project duration by more than 4 months
- 

## PROJECTS

**Shipenvoy** ([shipenvoy.ca](http://shipenvoy.ca))

2020

React.js · Parse-Platform · CI/CD

**Paid** website built for a logistics company that allows customers to ship packages internationally. Features include a tracking system for packages, user support system, and administrative tools for warehouse workers (batch operations, csv imports/exports, package queries and CRUD).

**Sportcred** ([github.com/iangu48/sportcred](https://github.com/iangu48/sportcred)) (demo in readme)

2020

React-Native · Firebase

Minimum viable product mobile application developed for a client which allows sports fans to show off their sports knowledge through trivia, debates, pick'ems, and more. Follows an **MVC** architecture.

**Spo2fi** ([spo2fi.herokuapp.com](https://spo2fi.herokuapp.com))

2020

Python · Flask

Web application that allows Spotify users to start a group session and queue songs to a single playback device. Ideal for car rides or office parties where users may add songs to the queue from their own phones.

**Bubble** ([iangu.me/bubble-frontend](http://iangu.me/bubble-frontend))

2019

Node.js · Express · Google Cloud Services API

Displays live updated trending topics in an aesthetic word cloud with clickable links to relevant articles. Topics are scraped from reddit and processed through Google Cloud natural language processing.

---

## EDUCATION

**University of Toronto**

Sep 2018 -- Apr 2022

Honours BSc, Computer Science (Software engineering stream)