Ian Gu

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

iangu.me
linkedin.com/in/iancgu
github.com/iangu48

SKILLS

Languages	Java, Python, JavaScript, C, MIPS Assembly, HTML/CSS
Frameworks/Tech	Spring Boot, Flask, Node.js, Express, React.js, React-native, MySQL, MongoDB
Tools	Git, shell/bash, Linux, Parse-Platform, Firebase, AWS EC2, Heroku, Google Cloud Services, AGILE, CI (continuous integration)

WORK EXPERIENCE

Shipenvoy (shipenvoy.ca)   Nov 2020 -- Jan 2021
Software Engineer (Contract / Freelance)
- Built a full-stack platform from scratch in two months using mainly React.js and Parse
- Added a tracking system for packages, administrative tools for warehouse workers (batch operations, csv imports/exports, package queries and CRUD), and user support system
- Used Github CI (continuous integration) to automate deployments on master merges

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 to build a more secure application
- Wrote MySQL migration scripts to mitigate inconsistencies among database and code
- Escalated issues to address security concerns involving storing sensitive data
- Reduced expected project duration by over 4 months by writing maintainable and modular code

PROJECTS

Sportcred (github.com/iangu48/sportcred) (demo in readme)   2020
React-Native · Firebase
> Minimum viable product mobile application developed in an AGILE environment 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)   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)   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)