

Ian Gu

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EDUCATION

University of Toronto

Honours BSc, Computer Science (Software Engineering stream)

Sep 2018 -- Apr 2022

WORK EXPERIENCE

PickEasy Inc.

Incoming Software Engineer Intern

Starting May 2021

Shipenvoy (shipenvoy.ca)

Software Engineer (Contract / Freelance)

Nov 2020 -- Jan 2021

- 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

Software Developer

Sep 2019 -- Apr 2020

- 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

iangu.me/#projects

Sportcred (github.com/iangu48/sportcred) (demo in readme)

2020

React-Native · Firebase

MVP 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 and processed through Google Cloud natural language processing.

SKILLS

Languages Java, Python, JavaScript, C, MIPS Assembly, HTML / CSS

Frameworks Spring Boot, Flask, Node.js, Express, React.js, React-native, MySQL, MongoDB

Tools Git, shell / bash, Linux, Parse, Firebase, AWS EC2, Heroku, Google Cloud, AGILE, Jira, Github CI/CD