

Ian Gu

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EDUCATION

University of Toronto

Honours Bachelor of Science in Computer Science, Software Engineering Specialist

Toronto, ON

Sep. 2018 – Apr. 2023

EXPERIENCE

PickEasy Inc.

Software Developer Intern

May 2021 – Aug. 2021 (Present)

Toronto, ON

- Implemented enhancements in SQL queries to reduce user wait time on home page by over 50%
- Polished and implemented new features for a restaurant service, resulting in 800% increase in organic growth of restaurants using the service
- Developed and released a gratitude journal app from scratch to supply some passive income to the company
- Experimented with new technologies by creating mini projects to investigate feasibility of new features

Shipenvoy

Software Engineer Contractor

Nov. 2020 – Jan. 2021

Toronto, ON

- Built a full-stack platform from scratch in two months using mainly React 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
- Automated deployments with Github CI/CD to deploy quick fixes and adjustments at request of client

University of Toronto Information & Instructional Technology Services

Software Developer Intern

Sep. 2019 – May 2020

Toronto, ON

- Coordinated the migration of a legacy student service system from PHP to Java Spring Boot to build a more secure application
- Authored 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 | *React-native, firebase*

2020

- Developed a minimum viable product mobile app in an AGILE environment for a client which allows sports fans to show off their sports knowledge through trivia, debates, pick'ems, and more

Spo2fi | *Python, Flask*

2020

- Developed a 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 | *Node.js, Express, Google Cloud Services*

2019

- Developed a fullstack website to display live updated trending topics in an aesthetic word cloud with clickable links to relevant articles.
- Scraped and processed topics through Google Cloud natural language processing.

TECHNICAL SKILLS

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

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

Developer Tools: Git, Firebase, AWS EC2, Heroku, Google Cloud Services, Github CI/CD, Docker, AGILE, Jira,