

Gary Chiu

gary.gc.chiu@gmail.com | (647) 525-4279 | gary-chiu.com

SKILLS

LANGUAGES

Proficient:

JavaScript • Java • C# • HTML/CSS

Experienced:

Python • SQL • TypeScript • C • C++

FRAMEWORKS AND TOOLS

Development

React • Node.js • Express • Redux
Next.js • .NET Core • Elasticsearch
Android • Angular • Unity3D

DevOps

Amazon Web Services (AWS)
Docker • Pivotal Cloud Foundry
Concourse CI/CD • Mocha • Chai

Databases

PostgreSQL • MySQL • MongoDB

EDUCATION

WESTERN UNIVERSITY

BACHELORS OF SCIENCE:

SPEC. IN COMPUTER SCIENCE

2014–2019 | London, ON.

AWARDS

TD Scholarship in C.S.

2015–2019

Dean's Honor List

2015–2019

Laurene Paterson Scholarship

2015–2016

PROJECTS

RESTAURANTO | 2020

React Native, Node, AWS

- Web & mobile application that allows users to choose where to eat based on preferences.
- Built using **AWS serverless architecture** with AWS SAM, API Gateway, Lambda, DynamoDB, Cognito, CloudFormation, and more.

FREELANCE | 2020

Next.js, Node, AWS

- Consultant & engineer for an indie game studio to develop their home-page and backend infrastructure.

EXPERIENCE

KONRAD GROUP | SOFTWARE DEVELOPER

May 2019 – Present | Toronto, ON.

- Built a content management & publishing system for a leading American fitness company in **React**, **Node**, **Express**, allowing creators to curate & publish content for workout shows and manage music from labels — resulting in over 80 produced shows at launch.
- Implemented **Elasticsearch** search engine to reduce search response times by 90%, with trending & suggested typeahead search functionality.
- Revamped the landing & support pages with new templates in **Sitecore CMS** using **Handlebars**, **JQuery**, and **.NET Core** for a top Canadian payment processor – leading to a 20% increase in Net Promoter Score.
- Built an internal portal for managing, viewing, and scheduling seminars using **React** and **.NET Core**.

MANULIFE | SOFTWARE DEVELOPER/PROJECT COORDINATOR COOP

May 2018 – August 2018 | Toronto, ON.

- Developed a Cloud-Native **React** and **Spring Boot** reference implementation, allowing new hires to quickly kick-start their projects – used in over 30% of new full-stack projects in 2019.
- Set up an enterprise pipeline for **Concourse CI/CD** with deployment to **Pivotal Cloud Foundry**, Single-Sign On, ACL-based authentication, React UI, and more.
- Worked as part of an **Agile** team to provide full-stack enhancements to Manulife's core Transaction Hub using **.NET Core** and **React**.
- Developed various Proof of Concepts for the Head of Architecture to evaluate potential technologies, tools, and products for company-wide use
- Led team meetings, created allocation reports, and assisted in the hiring process for the succeeding coop student & senior-level Architects.

MAPSTED | SOFTWARE DEVELOPER INTERN

January 2018 – April 2018 | Toronto, ON.

- Implemented critical features and performed bug fixes for the flagship **Android application**, such as integrating Matomo analytics engine, development of the search experience, voice navigation, and more.
- Created a **.NET Core** web application allowing clients to specify indoor regions for promotions, using **Angular** and **MySQL**.
- Wrote secure API endpoints for the production **.NET** server for handling app data syncing, user-reported store changes, data validation, and more.

BIG BLUE BUBBLE | GAMES PROGRAMMER – INTERN

May 2017 – December 2017 | London, ON.

- Developed core gameplay mechanics using the **Unity3D** game engine, becoming proficient in Unity game development, Unity APIs, and **C#** scripting.
- Performed general gameplay programming, cross-platform debugging, optimizations for mobile, and was responsible for the implementation of several game-modes according to design documents.
- Collaborated with artists, animators, QA, designers, and other programmers to deliver satisfactory results and obtain optimal solutions to problems.