

ZACHARY NGUYEN

Software Engineer Intern

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EDUCATION

B.Eng Software Engineering (CO-OP)
[Carleton University](#) 📅 09/2016 - Ongoing GPA **8.73** / 12

AVAILABILITY

Software Engineering internship May 2020 - August 2020
US Citizen able to work without a Visa

TECHNICAL SKILLS

Languages (Programming/Markup)

JavaScript TypeScript Java C HTML CSS Python

Frameworks

ReactJs Spring MVC Hibernate Cypress JUnit5

GraphQL Struts2 ExpressJs Electron jQuery

Database Management

SQL SQLite Oracle

Tools

Node.js Git Maven Jira Jenkins Webpack SOAP

WORK EXPERIENCE

Full-Stack Developer

[Statistics Canada](#) 📅 05/2018 - Ongoing 📍 Ottawa, ON

- Working as a full-stack developer on a web application used by all collection staff throughout Statistics Canada.
- Worked with two other developers to add ReactJs and GraphQL into the application by setting up the necessary configurations and infrastructure.
- Lead developer for a new dashboard feature. Responsible of managing the development process for other developers and communication with clients.
- Successfully got a proof of concept approved to integrate automated testing as part of the development process using Cypress framework.

General Assembler

[Scintrex Trace Corp.](#) 📅 05/2017 - 08/2017 📍 Ottawa, Ontario

- Assembled Luminol cells and TNT pens for explosive and narcotic detection units.
- Prepared various narcotic samples for testing by chemical engineers.

Tennis Racquet Stringer

[Zac Stringing](#) 📅 05/2016 - 05/2019 📍 Ottawa, Ontario

- Started a racquet stringing business at one tennis club and expanded to three clubs throughout the city.
- Self-taught stringer.

RELEVANT COMPLETED COURSES

[Object Oriented Programming](#) [Algorithms and Data Structures](#)
[Database Management Systems](#) [Real-Time Systems](#)

PORTFOLIO

Open Source Contributions

📅 Ongoing

- Pushed a new module to pencil-js a modular 2D drawing library.
- Partake in code reviews and bug fixes for ReactJs project.

Zac Hub

📅 05/2019 - Ongoing

A portfolio website that showcases all my projects hosted on GitHub.

- Developed with ReactJs as a single-page-application using React-router for navigation.
- Utilized the GitHub API to pull all relevant information needed.
- Responsive front-end was created using Material-UI framework.

Instant Mail

📅 05/2019 - 08/2019

A Google Chrome extension that lets users send emails from anywhere in their browser.

- Integrated a React application with a chrome extension to create a single-page-application.
- Used Firebase for OAuth2 authentication to make application more secure.
- Used Firebase NoSQL database to store confidential user information and API key.

Bolt

📅 12/2018 - Ongoing

An Electron app that allows users to listen to music from various sources.

- Designed using the Electron framework alongside ReactJs to learn more about the processes (main/renderer).
- Implemented authentication flow provided by Spotify's Web API and other streaming platforms.

Plants Vs Zombies

📅 09/2018 - 12/2018

A remake of the classic Plants Vs Zombie game in Java

- Worked in a team of four to recreate the game in Java following the MVC design pattern.
- Implemented a save/load feature using the Java Serialization Interface.
- To aid collaboration and maintainability, documented designs, flows and code using UML, sequence diagrams and JavaDoc.

STRENGTHS

- Worked in an agile work environment in a team developing both new feature and fixing bugs.
- Fluent in both English and French (oral & written).
- Autonomous worker, who also thrives working in teams.
- Strong debugging skills, while also comfortable being able to step back and think of the big picture.