

# Jayden Arquelada

jayarquelada@gmail.com

647-268-0248

Website: jayquelada.com

Github: /datrueonejay

LinkedIn: /jayquelada

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## Programming and Tools

### Knowledgeable

JavaScript (React, React Native, Node.js & Express.js), Python, SQL (MySQL), Docker, Git, JIRA, Confluence

### Intermediate

C, Java, Android, Caching (Redis), NoSQL (MongoDB), Cloud Computing

### Basic Understanding

Kubernetes, Dart (Flutter), Angular (Ionic)

## Skills

Microservice Architecture

RESTful Design

Object Oriented Design

Agile (Scrum) Methodology

Ability to learn quickly

Keen eye for detail

Strong collaboration and communication skills

Prepared to work in a fast-paced atmosphere

## Education

### University of Toronto

Honours Bachelor of Science, Computer Science

Graduated June 2020

CGPA of 3.79/4.00

## Experience

### Teaching Assistant

Fall 2018 & 2019, January 2020 - Present

University of Toronto –

*Operating Systems (CSCC69) & Introduction To Computer Science (CSCA08)*

- Help students understand OS concepts such as synchronization and user programs, through the operating system framework Pintos
- Guided students through Computer Science fundamentals such as data types, control flow, sorting, and time complexity

### Co-op Software Engineer

May 2019 – August 2019

Architech

- Worked on a conversational project using Google Dialogflow, Google Actions, Firebase (Cloud Firestore & Cloud Functions), and Node.js
- Researched platforms and tools, including cross platform mobile development (Flutter, React Native, & Ionic), as well as Docker and Kubernetes, preparing applications and technical papers for the company
- Developed and demoed a machine learning proof of concept (scikit-learn and SciPy) to predict the most efficient configuration of a production line

### Co-op Automation Developer

September 2017 – April 2018

Fleet Complete

- Automated and executed front end Android, iOS, web and unit tests, using automation frameworks such as Xamarin UI test and Selenium, reducing the amount of manual testing required before releases
- Developed integration tests for API end points, ensuring new deployments did not break existing API's, and broken end points could be easily found

## Projects

### Code-llaborate - <https://github.com/datrueonejay/code-llaborate>

- Worked within a team of 3 to help develop a web application that allows users to collectively edit, view, and run python 2 code
- Used technologies and protocols such as React, Node.js, MySQL, WebSocket for development, and Docker and AWS for deployment

### Reports Workbench - <https://github.com/datrueonejay/ReportsWorkbench>

- Worked with Java, Node.js, and MongoDB to help develop an application for school that parses excel files, uploads data, and generates reports
- Communicated with clients ensuring the product matched expectations
- Selected as one of the top 6 out of 28 teams to demo for the clients

## Notable Coursework

- Algorithm Design and Analysis
- Engineering Large Software Systems
- Computer and Network Security
- Operating Systems
- Programming on the Web
- Artificial Intelligence