

Johnson Zhang

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EDUCATION

Queen's University

Bachelor of Computing (Honours), Specialization in Software Design

Kingston, ON

Sept. 2018 - Apr. 2022

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (MySQL, NoSQL), JavaScript, ClojureScript, HTML/CSS

Frameworks: React, Node.js, Flask, Vue

Developer Tools: Git, Docker, Firebase, VS Code, Eclipse

Concepts: Data Structures, Algorithms, Database Management Systems, OOP, Performance Analysis

EXPERIENCE

Undergraduate Teaching Assistant

Jan. 2022 – Apr. 2022

Queen's University

Kingston, ON

- Guide 30 students through new learning material and aid with understanding assignments done in PHP, MySQL, JavaScript, HTML and CSS
- Provide feedback and foster an environment of open communication and curiosity

Software Engineer

Dec. 2021 – Jan. 2022

Cotton Candy Inc.

Mississauga, ON

- Resolved issues and refactored 100+ lines of code which resulted in a more efficient and polished system using
- Tech Stack: JavaScript, Clojurescript, HTML and CSS

Frontend Engineer

May 2021 – Aug. 2021

Cotton Candy Inc.

Kingston, ON

- Developed a customization tool that allows users to easily design and purchase products
- Collaborated in a small team in a fast-paced environment to implement core features to the website
- Participated in numerous merge requests and code reviews
- Tech Stack: Clojurescript, JavaScript, Shopify Liquid, HTML and CSS

PROJECTS

TA Management System | *Vue, TypeScript, MySQL, Docker*

Sept. 2021 - Apr. 2022

- Redesigned, implemented, and deployed a teaching assistant management system for the Queen's Physics Department to allow the department administrator to easily assign and manage graduate teaching assistants
- Queen's SSO implemented for secure user authorization
- Implemented a MySQL Database and over 15 REST API endpoints, secure from SQL Injections
- Performed unit testing on the various REST API endpoints
- Gathered and documented user requirements by conducting requirement elicitation techniques
- Strengthened leadership and organization skills by being the team lead

Animal Crossing Field-Guide (QHacks) | *VueJS, Firebase, Tailwind and SaaS*

Jan. 2022

- Utilizing the public Animal Crossing API, built a full-stack web application to keep track of what animals users have caught
- Led to a better understanding on how to use Vue and Google's Firebase

Flight Information Dashboard | *MySQL, PHP, HTML and CSS*

Apr. 2021

- Designed a relational database and web application to allow users to query, delete, add, and update flight information for airports in Canada
- Led to a better understanding of relational databases and the best practices in data management