

JAKE MOH

YEAR 3, COMPUTER SCIENCE MAJOR

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Programming: JavaScript, Java, Python, Go, C, C++
Infrastructure: Docker, Kubernetes, Concourse pipeline, Cloud Foundry, SSL/TLS, networking fundamentals
Frontend: HTML, CSS, jQuery, React, Bootstrap, D3
Database: SQL, MongoDB
Other: Node.js, REST API

Experience

SAP Agile Developer Jan 2020 – Aug 2020

- Implemented **OAuth2.0 client credential flow** between **Kubernetes** and **Cloud foundry** with **WebSocket** tunneling connection over **SSH** using **Go**
- Developed **Concourse** pipeline that installs highly available and load balanced **Docker Registry** in **Kubernetes**, which keeps only latest 10 tags in the registry and undergo automatic garbage collection
- Implemented **Python** script that locates **GitHub** repositories recursively to find **Java** files that depends on certain libraries using **GitHub's APIs**
- Wrote **Go** script to create and modifying IP addresses of service key in **Cloud Foundry** using **APIs**

Visual Cognition Lab (Lead Programmer) – UBC <https://viscoglab.psych.ubc.ca> May 2019 - Present

- Involved in Dr.Rensink's lab as lead programmer for development of experiments on **JavaScript** using **GitHub**, **jQuery**, **CSS**, **HTML**, **bootstrap**, **REST API**, **Node.js**, **D3**
- Constructed automation feature that can randomly selects choices for experiments used for testing
- Developed a feature that allows resolution to be scaled so that graphs are presented in fixed physical length across all experiments and monitors. [Documentation](#)
- Designed onboarding documentation for newcomers to follow. [Documentation](#)

Technical Projects

jakemoh.com (Personal, ongoing) – <https://jakemoh.com> Jan 2020 - Present

- Developed personal website containing projects using **Digital Ocean**, **Docker**, **Docker-compose**, **React**, **JavaScript**, **Postgres**, **Express Node.js**, **Nginx**, **Bootstrap**, **DNS**
- Implemented "Leave Comment" Project that use **Postgres** as database and **React** as a frontend
- Integrated **HTTPS** connection to current **Docker** project with **Certbot**, **Let's Encrypt** and **Nginx**

Indecision app (Personal) – <https://github.com/JakeMoh/React-Personal-Project> May 2019

- Developed a website, hosted on a local server, to manage to-do tasks by self-learning and using **React**, **JavaScript**, **CSS**, and **HTML**

SAP-Hackathon (Hackathon) – <https://github.com/JakeMoh/SAP-Hackathon> Apr 2020

- Developed [web app](#) using **React**, **MongoDB**, **Express Node.js**, **Google Map APIs** that mitigates volunteering issues during COVID-19
- Worked in group of 5, composed of a project manager, UX designers, and software developers

WebApp (Hackathon) Sep 2019

- Planned to design a website that can organize time schedule for donations in **team of four** and completed local server website using **HTML**, **CSS**, **React**, and **JavaScript**

Education

BSc (Computer Science) - University of British Columbia Sep 2018 – April 2022 (Expected)

- Computer Science Courses: 84.1%

