

Jerusha Chua

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SKILLS

Languages | Python, Java, JavaScript/TypeScript, C, SQL
Technologies | React, Angular, Node, Postgres, Selenium
Tools | Unix/Bash, AWS, GCP, Git, Jenkins, Docker

EDUCATION

University of Victoria | 2015 - 2020
Bachelor of Software Engineering
UVic Excellence Scholarship (top 5%)

EXPERIENCE

- Software Developer** at University Health Network | Toronto ON Sep 2020 – present
- Developed full-stack web apps with **React**, **JavaScript**, **Docker**, and **Postgres** to support researchers, clinicians, and patients.
 - Implemented features for projects to support patient care, data aggregate dashboards, and COVID-19 research platforms.
- Software Developer Intern** at SAP | Vancouver BC Sep 2018 – Apr 2019
- Developed internal web tools to display performance metrics dashboard for cross-team communication.
 - Developed performance and reliability analyses using **Java**, **Selenium**, **Jenkins**, and Fiddler. Analyzed response time, network usage, CPU usage and investigated regressions by using root cause analysis.
- Software Test Developer Intern** at SMART Technologies | Calgary AB Jan 2017 – Aug 2017
- Developed automated test scripts using **Python**, **Selenium**, Sikuli and maintained the TeamCity build pipeline.
 - Participated in acceptance test-driven development, smoke testing, and load testing.

PROJECTS

- Facial Gesture Recognition** | machine learning Apr 2020 – Jul 2020
- A machine learning system that recognizes facial gestures in real-time with an emphasis on accessibility and interfacing support to improve technology accessibility.
 - Implemented using **Keras**, **OpenCV**, and Kaggle training data.
- Bountiful** | web app Apr 2020 – Jul 2020
- An app for content creators and fans to interact. Developed using **Typescript**, **React**, and **Firebase**.
 - Created full stack React components and integrated with the Firebase cloud store. Designed mock-ups with Adobe XD and used Notion for product management.
- Mental Health Map** | web app Mar 2020
- An app to connect users to recommended mental health resources with a short diagnostic quiz.
 - Developed using **Typescript**, Node, **MongoDB**, **GCP**, and Google Maps API.
- Runaway** | web app Sept 2019 – Dec 2019
- An app made for travellers to review and browse other reviews of popular destinations.
 - Developed (without a modern web framework) using **Typescript**, Node, **MongoDB**, and Pug.
- VisualGit** | git GUI May 2019 – June 2019
- A desktop app which opens git repositories in a visual, interactive user interface.
 - Supervised a team of five developers as scrum master. Developed using **Typescript**, **Angular**, **Electron** and Node.
- Cloud Computing Cloud** | machine learning May 2019 – Aug 2019
- A proof-of-concept machine learning, distributed system to detect clouds from satellite imagery.
 - Developed using **AWS** EC2 instances, lambda functions, S3 buckets, and **OpenCV**.

CLUBS AND ACTIVITIES

nwPlus | Sept '19 – Apr '20 | Campus Ambassador. Promoted hackathons and events run by nwPlus.
Vikelabs | Sept '19 – Dec '19 | Team lead for the website team. Promoted workshops and fostered mentorship.
SAP Intern Committee | Sept '18 – Apr '19 | Promoted events for career development, networking, intern involvement.