**Anthony Lai**

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Education

**University of Ottawa** *Ottawa, ON*

BACHELOR OF APPLIED SCIENCE IN SOFTWARE ENGINEERING, GPA: 3.8/4.0 *2017 - Present*

* **Expected Graduation Year** — 2022
* **Software Coursework** — Data Structures and Algorithms, Operating Systems, UI/UX Design, Databases

Experience

**Solace** *Kanata, ON*

SOFTWARE DEVELOPER, INTERN *Sep 2019 - Dec 2019*

* Full Stack Developer working on Solace Cloud programming in **Aurelia** and **Java Spring**
* Improved and fixed multiple features on the user interface of the cloud consoles
* Increased the modifiable parameters of a messaging service by using existing **REST APIs** to give users more control and to increased the parallels between the newer cloud microservices product and the older software product
* Split search microservices which implement **Elasticsearch** by separating components and databases, improving maintainability, modularity and performance of Solace Cloud

**Wind River Systems** *Kanata, ON*

SOFTWARE ENGINEER, INTERN *Jan. 2019 - Apr. 2019*

* Developed and acted as the feature owner of the automated infrastructure system for analysis of the Helix Virtualization Platform
* Incorporated new checks which evaluates the Helix Platform for stability, resiliency, and performance which gave the members of the team new insight on the limits of the platform
* Improved coverage of the system analysis by repairing and updating the existing modules which were writing in **Python** and ran by **Jenkins**
* Presented all my developments and knowledge on that automation infrastructure to my team prior to leaving
* Experienced working with the real time operating system **(RTOS), VxWorks7** and a **Linux** development environment

**Canada Revenue Agency** *Ottawa, ON*

SOFTWARE DEVELOPER, INTERN *May. 2018 - Aug. 2018*

* Implemented features for an internal government **Java** application used by all auditors and other employees of the CRA
* The system managed and organized all government registered savings plans and pensions
* Developed and maintained many unit and integration tests for the application

Projects

**Spa Management System**

* Project lead developing a management and organizational tool for a spa business in Toronto
* Performing project lead duties such as managing tasks for team members, discussing with clients on their requirements, and writing specifica-tions documents
* Will manage the spa’s web infrastructure such as website domain, web application deployment and databases
* Developing with a stack featuring **React**, **Node**, and **Firestore**; using Google Cloud as our cloud provider

**Kinetic Therapy Game**

* Designed and created for St. Vincent Hospital, a long-term care hospital in Ottawa, for their physically rehabilitation program
* Developed the game by interacting with the client and implementing exercises based on their needs to help them achieve their rehabilitation goals
* Developed for use with the Xbox 360 Kinect which tracks the physical movement of a person and translates to movement in a game
* Implemented most of the menu interface using **C#** and **Unity3D** to display valuable information on the users of our game

**Kiosk Ordering App**

* Designed and developing a kiosk style ordering Android app for a food court business
* Built the application interface using Google’s **Flutter** toolkit with the **Dart** language
* Designed to function similarly to a McDonald’s ordering kiosk