

Taehyun Lee

3B Computer Science

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SKILLS

LANGUAGES

Go, C++, Python, Rust, JavaScript, C, Java

TOOLS AND FRAMEWORKS

Docker, Git, Makefile, Bash

EXPERIENCE

Docker Inc. - Waterloo ON.

05/2019 - 08/2019

IoT & Edge Intern

- Created a custom job tracker using thread pools and a queue buffer to **asynchronously service client requests** for long-running calculations
- Combined Docker Compose and Makefiles to **automate multi-stage building** of project containers
- Completed a Docker CLI plugin that creates and stores special images in DockerD and Registry
- Developed a structure to facilitate operations on Docker Manifests that simplifies the process of adding custom Manifest types **through pluggable handlers**

Wind River Systems - Ottawa ON.

09/2018 - 12/2018

Open Source Developer

- Implemented configurations necessary to **cross compile Rust executables** for VxWorks OS
- Utilized GDB to debug memory corruption of kernel structures
- Added VxWorks specific implementations for Rust standard library functions, with a **96% pass rate on libstd test suite** including tests for features not supported in VxWorks

IBM - Ottawa ON.

05/2017 - 12/2017

Technical Support Analyst

- Processed an **average of 25 customer report tickets at a time**, with 2 new tickets per day
- Handled configuration problems present in customers' environments under tight deadlines

PROJECTS

Chess - C++

03/2018

- Incorporated **multiple design patterns** to implement a fully featured game of chess
- Handled code integration and led the implementation of core mechanics

PyRemote - Java, NodeJS, Python

03/2018

- Created an Android app that controls a PC using voice input
- Utilized **socket.io** and an **Express** server to relay commands from a mobile device to a PC

EDUCATION

University of Waterloo - Candidate for Bachelor of Computer Science 2021

- Maintaining a major average GPA of 3.96/4.0