

JIAN XIANG (CHAD) ZHAO

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[LinkedIn: Jian Xiang \(Chad\) Zhao](#) | 2A Computer Engineering

SUMMARY OF SKILLS

Languages with Extensive Experience: Python, Java, C++

Languages with Working Knowledge: Bash Scripting, SQL, HTML/CSS, Javascript

Development Tools: Android Studio, Visual Studio, Vscode, IntelliJ, Selenium WebDriver

Agile Software: Git/Github, JIRA, Jenkins

Common Programs: MS Office Suite, LaTeX

Other Skills: PC Assembly, Windows Command Line, Agile Team Experience

General knowledge about computer hardware, PC components, PC hardware industry standards

EXPERIENCE

Automation Developer

September 2020 – January 2021

Ford Motor Company Canada

Waterloo, ON

- Developed software tools to automate the testing of vehicle ECU software on actual target devices
- Maintained stability and health of various build projects using CI tool Jenkins
- Debugged on-target ECU software using a command line interface

Developer

January 2020 – May 2020

Grand and Toy

Vaughan, ON

- Developed automation testing framework for the e-commerce website using Python and Selenium WebDriver
- Scripted complex test cases into automation scripts, freeing up manual testing time
- Achieved increased QA efficiency by deploying automatically generated testing report

Programmer

September 2015 – September 2018

FIRST Robotics

Thornhill, ON

- Programmed robot using LabView software to complete autonomous operation in competitions
- Built part of robot using power tools, acquiring hands on workshop skills

PROJECTS

StarCraft 2 Game AI

Python, pysc2, python-sc2

- Achieved scripted autonomous gameplay, now working on developing reinforcement learning
- The agent outperforms a standard built-in game AI

Discord Bot

Python, discord.py

- Retrieves and displays information from integrating with third-party python APIs
- Used back-end MySQL database server to store relevant data

Student Helper Mobile APP

Java, Android Studio, Emulators

- Modifiable calendar, to-do list, reminder features that helps students organize activities and manage projects
- Mainly used fragments to combine different functionality

EDUCATION

Bachelor of Applied Science | Computer Engineering

September 2019 – Present 2A Term

University of Waterloo

Waterloo, ON

- Relevant courses: Data Structures and Algorithms (C++), Digital Computers, Numerical Methods (MATLAB)

IB Diploma | Secondary School

September 2015 – June 2019

St Robert Catholic High School

Thornhill, ON