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**SKILLS**

**Programming:** VHDL, C++, Python, Java, Groovy, Verilog

**Technology:** Quartus Prime, Visual Studio, ModelSim, Git, Subversion, Docker, Android Studio, KiCAD, Jenkins

**EDUCATION**

**Honors Electrical Engineering University of Waterloo**

* Candidate for Bachelors of Applied Science
* Relevant Courses: Digital Computers, Electronic Circuits, Linear Algebra, Algorithms & Data Structures, Advanced Calculus

**ACHIEVEMENTS**

* Awarded the President’s Scholarship of Distinction from University of Waterloo
* Selected amongst the top 15 students nationwide in National Chemistry Talent Contest

**EXTRACURRICULARS**

* Working with the Engineering Society as Interview Skills Director and POETS Manager
* Like to play soccer and read political thrillers in my free time

**SUMMARY**

* Proficient in VHDL, C++, Java and Python
* Experienced in Embedded System Design and Software Development
* Well versed in Agile methodology and DevOps practices
* Skilled in PCB and schematic design along with tools like KiCAD
* Exceptional communication, problem solving and organizational skills

**EXPIERIENCE**

**Application Developer – Manulife Sept-Dec 2017**

* Developed Mattermost bots for conducting scrum meetings and team creation using Python and Docker
* Created Jenkinsfile templates for multiple projects incorporating SonarQube, Docker, Artifactory and NuGet etc.
* Worked on front end for Release Management website

**IT Intern – Purolator Inc Jan-Apr 2017**

* Created programs for Credit Assessment, Client-Auditor matching and Response Time tracking using VBA, SAP and BEx Analyzer
* Liaised with multiple department to troubleshoot in-house tools
* Developed user guides for existing and new tools

**PROJECTS**

**Prime Number Detection (VHDL)**

* A component to check primality of 8-bit binary numbers
* Uses Miller Rabin Test to check for primality

**ScrumPoster (Python)**

* A tool to conduct daily scrum meetings in multiple channels within Mattermost using its API
* Running inside an Alpine Linux Docker container, it is easily deployable and requires minimal user input

**Flood Sensor Circuit**

* Prototyped the circuit on a breadboard using the schematic
* Designed the PCB layout for the circuit