Nosherwan Ahmed

+1 (519) 722 6898
n64ahmed@edu.uwaterloo.ca
nosherwana.github.io
linkedin.com/in/nosherwana
github.com/NosherwanA

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