

FARES KHALIL

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EDUCATION

Bachelor of Computer Engineering (Co-op) Program

Memorial University of Newfoundland and Labrador

📅 Sep 2020 – Present St. John's, NL

- Fourth Year, Class of 2025, GPA 3.76/4.0

ENGINEERING EXPERIENCE

Verification Engineering Intern

Marvell Technology Inc.

📅 Aug 2022 – Mar 2023 and May 2023 – Aug 2023 Ottawa, ON

- Developed an automation tool that parses data from regression test reports and connects features to tests using Python and Perl in collaboration with the software team
- Tested the generated files from parsing the Jinja2 template using Python unit testing and created a regression class to call the unit tests
- Analyzed and verified new Ethernet subsystems using formal connectivity checking
- Improved the process of testing customer-deployed environment
- Created test cases using UVM framework and SystemVerilog language for verification of Ethernet subsystem features
- Debugged failing test cases using DVE waveform viewer and applied fixes as needed

Co-op Engineering Student

Ever Green Environmental Corporation

📅 Jan 2022 – Aug 2022 St. John's, NL

- Created wake-up start function using the system's camera as a sensor to turn on the LED lights using C# and the camera's API
- Programmed the back end of the website using SQL and PHP to create a more secure login
- Developed a feature to provide photo updates, inside and outside, using FTP
- Improved communication between off-site automated recycling system using C# and networking protocols to upload data to the website

RELEVANT PROJECTS

Shopping Companion

- Developed a web-based software to compare real-time prices for shopping using Java and JavaFX
- Implemented a secure login page that allows for authentication for users using hashing functions and SQL

WORK EXPERIENCE

Tutor

Student Success Center, MUN Engineering

📅 Sep 2021 – Present St. John's, NL

- Debugging and explaining Python code to Engineering One students

LEADERSHIP

Chair (Elected)

IEEE Student Branch

📅 Apr 2023 – Present St. John's, NL

- Chairing IEEE student branch meetings and providing updates to the faculty
- Organizing IEEE Xtreme coding competition as a team

Member

MUNC²

📅 May 2022 – Present St. John's, NL

- Organizing and participating in practice coding sessions with the club

Vice President Academic (Elected)

MUN Engineering Society B

📅 Jan 2021 – Present St. John's, NL

- Advocating for Engineering students during faculty meetings and collaborating with faculty to resolve concerns
- Organizing a mentorship program for first-year Engineering students
- Planning and hosting events for 200-300 students to network as a team

SKILLS

Verilog

SystemVerilog

UVM

VHDL

Formal Verification

Git

SVN

Jira

Confluence

Linux

Perl

Python

Unit Testing

Assembly Language

C++

C#

Java

JavaFX

Modbus Protocol

HTML

CSS

PHP

Javascript

SQL

Time Management


Teamwork


Leadership


Networking


Presenting

ACHIEVEMENTS

 Verafin Inc. Computer Engineering Scholarship

 Faculty of Engineering Dean's List

 Paton College Crest (Leadership)

 Certificate of Appreciation from MUN Mentors Program