FARES KHALIL

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in /fares-khalil

St. John's, NL, Canada

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

$MUNC^2$

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

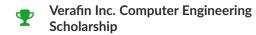
St. John's, NL

- 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



ACHIEVEMENTS







Certificate of Appreciation from MUN Mentors Program