

YAHIA ALY



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SKILLS

- Technical skills:
 - o C/C++, Python, JavaScript (Node, React, Jest, and Mocha), Java, VBA, MATLAB, HTML, and CSS
 - o Visual Studio, Eclipse, PyCharm, and Atom
 - o Ubuntu and RHEL Linux and Microsoft Windows OS
 - o Docker and Vagrant
 - o Github, Gitlab, Bit Bucket, Jira, and Postman
 - o Atmel Studio (AVR microcontroller) and Proteus
- Time management, problem-solving, active listening, high adaptability, and passionate leadership.
- Bilingual in written and spoken English and Arabic.

AWARDS AND SCHOLARSHIPS

- First Place in Breaking Barriers to Food Insecurity Conference (\$750), 2021

EDUCATION

Memorial University of Newfoundland

St. John's, NL•

Expected graduation in 04/2023

Bachelor of Computer Engineering

Enrolled in 4th year-Term VI

ENGINEERING WORK HISTORY

NSP/MDM SW Automation Specialist

Nokia - Kanata, ON • May 2021 - Aug. 2021

- Implemented new features for the Mocha-based framework using Javascript, Docker, Gitlab, and Jira.
- Added new test suites to the automated regression and ensured that they are running correctly.
- Prototyped new ways of testing microservices within NSP.
- Wrote training documentation about telecom and networking for incoming co-op students.

Junior Programmer Analyst

InnovMarine Inc. - Lévis, QC • Jan. 2020 - May 2020 and Aug. 2020 - Jan. 2021

- Implemented new features for a web-based application using Python, JavaScript, HTML, and CSS.
- Managed the development, QA, and deployment of VBA-based excel product for a major client.
- Conducted three technical and behavioral-based interviews for new interns and full-time employees.
- Communicated with the consultation team for the development of data extraction software tools.

WORK HISTORY

PSDP (Professional Skills Development Program) Assistant MUN Internationalization Office, Memorial University

St John's, NL • May 2019 - Aug. 2019

- The Engineering Class of 2006 Legacy Award (\$400), 2020
- MUN PEGNL Bursary (\$1500), 2019
- ZSIS High School Student Valedictorian, 2018

RELEVANT PROJECTS / COMPETITIONS

- Discord Bot for tracking tasks, July 2021
- React web-based Bookkeeping app, April 2021
- Digital clock implementation, March 2021
- City of Mount Pearl Hackathon, Nov. 2019 and Nov. 2020
- Microcontroller-based traffic light and weather station projects, July 2020
- Printed circuit board assembly by soldering, Feb. 2019
- 3pi robot to navigate a maze using C++, Nov. 2018

INTERESTS

- Technical Interests:
 - Telecommunications
 - Computer Vision
 - Computer security
 - Nature-Inspired Computing
- General Interests:
 - Sustainability
 - Diversity/Inclusivity
 - Volunteering
 - Soccer and Swimming

- Reviewed and critiqued up to 30 resumes and 30 cover letters for all participants.
- Compiled and analyzed survey data from participants using Microsoft Excel.

News Reporter

MUN Radio Campus CHMR, Memorial University

St John's, NL • May 2019 - Aug. 2019

- Wrote daily news reports featuring local, national, and international stories.
- Read and uploaded the news by cooperating with radio programmers.
- Conducted an interview with a Campus Foodbank board member.

EXTRACURRICULARS

Co-President May 2021 - Present

MUN Engineers Without Borders (EWB), Memorial University

- Leading the chapter by recruiting members, planning annual events, and supporting executives.
- Monitoring chapter operations, ongoing tasks, and promoting an inclusive environment.
- Connecting the local chapter to other EWB national and Atlantic chapters.
- Cooperating with non-profit organizations and university clubs on events and research initiatives.

General Member Oct. 2019 - Present

IEEE, NL Chapter

- Participating in competitions such as IEEE Extreme 24-hour Programming competition.
- Attending chapter talks and events.

Co-President and founder May 2019 - Dec. 2020

Egyptians Students' Association, Memorial University

- Created the association with limited resources and wrote the constitution.
- Cooperated with executive members on their assigned tasks and supported them appropriately.