

Kamal M. Ali

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EDUCATION

2018 – present

Memorial University of Newfoundland, Canada

- Bachelor of Computer Engineering, Class of 2023
- GPA 3.86/4.0 (85.7%)

EXPERIENCE

Jan 2020 – Apr 2020

IPD Hardware Support Co-op at *Nokia, Ottawa*

- Performed bring-up of complex PCBs using a Linux environment
- Conducted signal integrity and traffic tests on the latest routing boards using cutting-edge oscilloscopes and spectrum analyzers
- Wrote a Perl script with regular expressions to eliminate manual search

Jun 2019 – Aug 2019

Project & Research Student at *Memorial University of Newfoundland*

- Delivered design recommendations by performing heat transfer analyses. Performed optimization with my knowledge of Riemann Sums
- Designed, conducted, and documented +20 laboratory tests in 6 weeks to characterize the de-icing properties of a cleaning product

EXTRA - CURRICULARS

Nov 2020 – Present

Lead Organizer at *Hack Frost NL*

- Planning the university's first student-run tech hackathon for 150 students
- Raising funds and managing partnerships with sponsors
- Defining and delegating tasks and ensuring the team is on track

Oct 2018 – Nov 2020

Software Designer at *Paradigm Hyperloop*

- Participated in SpaceX Hyperloop Pod Competition in July 2019
- Contributed to weekly meetings and development of scripts
- Developed, tested, and documented a Python tool that organizes files into a date-based system on Google Drive using its API

Jul 2019 – Apr 2020

Outreach Executive at *Egyptian Students Association at Hyperloop*

- Co-founded the club and promoted it by planning info booths and designing giveaways. Helped other members carry out their duties
- Sought new collaborations by contacting other clubs and societies

Oct 2020 – May 2021

Student in *IBM's Qubit by Qubit: Introduction to Quantum Computing*

- Exploring the field of Quantum Computers and its applications
- Learning how to build Quantum Circuits using IBM Quantum Experience

SKILLS

- **C++/C:** Proficient in object-oriented programming, data structures, and algorithms
- **Python:** Six months experience developing object-oriented Python using APIs and SciPy
- **AWS:** Working towards an AWS Certified Developer Associate Certification January 2021
- **Web Development:** Knowledgeable about HTML, CSS, JavaScript, Node.js, and React
- **Source Control:** Strong experience with source control using GitHub
- **Desire to learn:** Eager to learn new skills and apply them
- **Team readiness:** Enjoy working in a collaborative environment and have strong experience managing a team

HACKATHONS / COMMUNITY

Feb 2020	University of Toronto Hardware Hackathon <ul style="list-style-type: none">• Collaborated with a new team on a 30-hour project to build a mini-basketball game
Nov 2019	Hacking Mount Pearl <ul style="list-style-type: none">• Worked with my team on the challenge of recycling rates• Devised a proposal for the city to incorporate composting into its program
Oct 2019	Memorial Centre for Entrepreneurship Externship <ul style="list-style-type: none">• Interned for two days at Johnson Insurance, St. John's, to discover potential start-up ideas• Worked with a team for 4 weeks to pitch an idea to a potential customer
Oct 2019	IEEE Xtreme Programming 13.0 competition <ul style="list-style-type: none">• Collaborated with teammates to solve 24 questions in 24 hours• Ranked in the 1300s overall out of +4000 teams globally

AWARDS / ACCOMPLISHMENTS

Mar 2020	ESANA Undergraduate Excellence Scholarship
Nov 2019	Dean's List award for Engineering One (2018-2019)
Oct 2019	The Emera Excellence Scholarship (\$2,500)
Oct 2019	Memorial University's International Undergraduate Scholarship (\$2,500)
Sep 2018	Memorial University's International Entrance Scholarship (\$4,400)
May 2017	Top 1% of SAT takers globally

INTERESTS

Water polo, Soccer, Quantum Computing, and Cooking