

Nazia Chowdhury

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EDUCATION

McGill University

Bachelor of Software Engineering Co-op (B.Eng.)

2021 - 2025

GPA: 3.66/4.00

SKILLS

Technical languages: Java, C, Python, JavaScript, SQL

Frameworks/Tools/Libraries: Java Spring Boot, Angular, WebAssembly, React.js, Vue.js, Sysrepo, Bootstrap, JUnit, Git

Languages: Fluent in English and French, and proficient in spoken Bengali

WORK EXPERIENCE

Morgan Stanley (Java Spring Boot, Angular)

May 2024 - August 2024

Summer Technology Analyst

Montréal, Québec

- Developed a testing tool in a Java Spring Boot and Angular environment, ensuring main application works as expected
- Developed and integrated RESTful services using Java Spring Boot and Angular, to support new feature development
- Implemented unit tests for both frontend and backend, improving test coverage and code quality
- Gained comprehensive knowledge of the main application's workflow to validate its functionality

Autodesk (WebAssembly, C++)

January 2024 - April 2024

Full Stack Developer Intern

Montréal, Québec

- Integrated WebAssembly support across three codebases by modifying and optimizing existing build systems
- Thoroughly documented the process, ensuring clarity and accessibility for future reference and collaboration
- Contributed to the Intern Committee, focused on enhancing the overall internship experience for current and future interns

MPB Communications (C, NETCONF/Yang, Linux)

May 2023 - August 2023

Software Engineering Intern

Montréal, Québec

- Developed server-side applications using C to support client-server communication for a product involving an optical amplifier
- Integrated server-side applications seamlessly into the existing system architecture, ensuring compatibility and smooth operation for the optical amplifier product
- Designed and executed comprehensive testing strategies, documenting test cases and procedures to ensure reliability, functionality, and ease of maintenance for server-side applications

Okiok (Java, Vue, Selenium WebDriver)

May 2022 - August 2022

Software Developer Intern

Laval, Québec

- Developed a security key feature for user authentication using Vue.js, HTML5, CSS3, Bootstrap, and JQuery
- Contributed to the development of the REST API by implementing API endpoints through Swagger
- Implemented JUnit test cases for existing features using Selenium Webdriver

KEY PROJECTS

OnCampus Web Application (React, PostgreSQL, Auth0)

January 2023 - April 2023

Software Engineering Practice Course

- Developed a user-centric scheduling application with Docker, React, and PostgreSQL in a team of 10
- Implemented authentication using Auth0, data storage with PostgreSQL, and testing with Cypress
- Integrated user search and profile creation, enabling students to share schedules and plan study sessions

Robot Delivery Service (Python)

January 2023 - April 2023

Design Principles and Methods Course

- Developed a robot delivery service using sensors, motors, BrickPi, and Raspberry Pi with a team of six
- Designed and implemented a color detection algorithm for interacting with colored cubes
- Implemented the robot's navigation in Python to ensure efficient and precise delivery to designated locations

EXTRACURRICULAR ACTIVITIES

Logistic Committee Member of PharmaHacks

October 2022 - April 2023

- Assisted in coordinating essential logistical aspects such as venue selection, resource allocation, and equipment setup, ensuring a conducive environment for participants
- Managed event timelines, troubleshooted any logistical challenges, and provided support throughout the hackathon to ensure a seamless experience for participants, mentors, and judges