

Faatima Abidi

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Computer engineering student with more than seven years of experience programming in multiple languages.

EDUCATION

Bachelor of Applied Science in Computer Engineering University of Toronto, Toronto, Ontario

SEPTEMBER 2020 - APRIL 2025 (Including expected co-op)

Specialization in Software and Communications with Minor in Artificial Intelligence Engineering

Relevant courses: Software Engineering, Introduction to Machine Learning, Introduction to Databases, Algorithms and Data Structures, Applied Fundamentals of Deep Learning, Software Design and Communication, Programming Fundamentals

Ontario Secondary School Diploma

Father Michael McGivney Catholic Academy, Markham, Ontario

SEPTEMBER 2016 - JUNE 2020

Relevant courses: Computer Science (Grades 11 and 12), Computer Engineering Technology (Grades 11 and 12)

SKILLS

Programming: RobotC with VEX, MatLab, C, C++, Java, JavaScript, HTML, CSS, Verilog, Unix commands, Python, PostgreSQL, React, ElasticSearch

Integrated Development Environments: Netbeans, CodeLite, Visual Studio Code, Repl, IntelliJ IDEA, Eclipse

CAD/Design: SketchUp, Glade

Graphics: Adobe Illustrator, Canva, Autodesk Sketchbook

Analysis/Simulation: Typhoon HIL, ModelSim, Quartus, Wireshark, Postman

Languages: English, Urdu, Hindi, French

TECHNICAL EXPERIENCE

Software Developer Co-op - Volante Software Incorporation, North York, Ontario

MAY 2023 - PRESENT

- Developed a greater understanding of the React framework and the various libraries used within our product (such as Redux, I18next, etc.)
- Created large-scale components using Ant Design for the kiosk user interface such as the sign-in page and the keyboard.
- Fixed high-priority bugs reported by the Quality Assurance team found on all of our projects during regression.
- Updated the backend database to add new fields by writing scripts containing SQL and ElasticSearch queries.
- Participated in Agile Ceremonies, such as Weekly Refinement, Retrospectives, Sprint Planning, Standup, and Bug Triage.

Automation Engineer Co-op - Volante Software Incorporation, North York, Ontario

MAY 2022 - AUGUST 2022

- Wrote code to automate API calls creating integration and end-to-end test case flows, using the Spring Integration Cucumber framework and the Rest Assured library in Java.
- Learned various Automation Engineering tools, such as Maven, Postman, Swagger, and Lombok.
- Documented all of the automated Menu Service Integration Tests on Confluence, out of which I automated more than 10.
- Created, reviewed, and merged pull requests when the automation of a test case flow was complete.
- Contributed to the Regression for the product's August release by testing parts of the product and reporting bugs and story defects.
- Participated in Agile Ceremonies, such as Weekly Refinement, Retrospectives, Sprint Planning, Standup, and Bug Triage.

Webmaster and Programmer – FRZ Software Firm (Team 40), Software Design and Communication, University of Toronto, Toronto, Ontario

JANUARY 2022 - APRIL 2022

- Created a mapping application called the Hello World Mapper that serves as a map for the country's newcomers to easily use.
- Updated the team's wiki as the team progressed through the milestones and communication deliverables.
- Wrote functions in C++ using OpenStreetMap data to find the closest intersections, points of interest, and if two intersections directly connect.
- Programmed the buttons, drop-down boxes, and pop-up widgets using Glade that users can use to select what they want to do on the map.
- Programmed some of the map's visuals, such as points of interest and paths, using the EZGL library in C++ given by the course.

EXTRACURRICULAR ACTIVITIES

Programming Competition Director – University of Toronto Engineering Kompetitions (UTEK), University of Toronto, Toronto, Ontario

SEPTEMBER 2022 - JANUARY 2023

Planned and supervised the Programming Competition by creating a problem statement, testing it out by creating a sample solution, creating and running test cases, preparing workshops, debriefing judges, answering participants' questions and judging participants for the correctness of their solutions to select the winners. The winners of the competition represented the University of Toronto at the Ontario Engineering Competition.

Project Member – NewHacks 2021, Toronto, Ontario

NOVEMBER 2021

Programmed some of the algorithms using JavaScript, HTML, and CSS for the website, UMark, submitted to the hackathon, that students can use to calculate their marks for their courses in different scenarios.

AWARDS

Canada Service Corps Certificate of Recognition – December 2020

Dean's Merit Award (\$5000) – September 2020

Edward S. Rogers Sr. Admission Scholarship (\$3500) – September 2020

Lo Family Scholarship (\$5000) – September 2020

Canadian and World Studies & Moderns (French) Department Awards – June 2020

Academic Proficiency Award (Highest average in the grade: 97%) – June 2019

UWaterloo Hypatia Math Contest Certificate of Distinction & School Medal – April 2019