

BILAL UDDIN

6 Oxen Pond Road, St. John's, NL, A1B 3J1

📞 709-728-4203 ✉ bilal.uddin84@cna.nl.ca 🔗 www.linkedin.com/in/bilal-u 🌐 <https://github.com/bilal-u>

Education

College of North Atlantic

Diploma in Software Development (Co-op)

Sep. 2021 – Sep. 2024

Prince Philip Drive Campus, St. John's, NL

Memorial University of Newfoundland

M.Sc. in Applied Mathematics (Thesis)

Sep. 2016 – Sep. 2018

St. John's, NL, Canada

Shahjalal University of Science & Technology

B.Sc. in Mathematics

Dec. 2009 – Jan. 2014

Sylhet, Bangladesh

Skills

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|----------|--------------|-----------------------------|----------------------------|
| • Python | • MySQL | • Data Processing | • Effective Communications |
| • C++ | • PostgreSQL | • Exploratory Data Analysis | • Problem Solving |
| • MATLAB | • MS Excel | • AWS (EC2) | • Time Management |
| • R | • HTML & CSS | • git/github | • Team Work |

Recent Coursework

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|--------------------------------|--|
| • Python Programming | • Security for Programmers |
| • Relational Database | • Foundations of Computing Systems |
| • Web & Mobile App Development | • Statistics for Science |
| • Operating Systems | • Database Design & Basic SQL in PostgreSQL. |
| • System Analysis | • SQL for Data Science |

Experience

Memorial University of Newfoundland

Research Assistant

Sep. 2016 – Sep. 2018

St. John's, NL

- Developed a time-parallel algorithm to solve time-dependent partial differential equations (PDEs).
- Used low-order methods for time integration and expected higher-order solutions because of parallelism.
- Used Moving Mesh Methods for spatial discretization and parallel methods for time discretization.
- Wrote codes for the algorithm in C++ and MATLAB and ran the simulations using some practical problems.
- Tested the C++ codes using a software called RIDC to see the impact of parallelism in the methods.
- Visualized the results in MATLAB to see the impact of the moving mesh.
- Concluded with the finding that time parallel methods can give higher-order solutions using low-order integrators.

Teaching Assistant

- Worked as a tutor at the Math help centre.
- Graded assignments and exam papers of undergraduate Mathematics courses.
- Uploaded students' grade to D2L.
- Helped course instructors in final exams invigilation.

S&P Data Digital

October 2018 – May 2019

Call Center Customer Service Associate

St. John's, NL

- Resolved customers' complaints and provided excellent customer service.
- Provided customers with basic technical support about cellphone networks and redirected them to IT departments when there was a serious technical issue.
- Worked as a floor support to assist the newly hired co-workers.

EMK-Investment Ltd. (Burger King)

May. 2019 – August 2021

Assistant Manager

194 Totbay Rd., St. John's, NL

- Supervised 5-10 team members and trained new employees.
- Answered phone calls, and resolved customers' complaints.
- Monitored hourly sales, counted cash, and prepared daily sales reports.
- Ensured that team members always followed health and safety protocols.