

BILAL UDDIN

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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 |

Thesis and Project

M.Sc. Thesis | *Revisionist Integral Deferred Correction Methods with Application to Moving Mesh Strategies*

- Developed an algorithm to solve time-dependent partial differential equations (PDEs).
- Implemented the algorithm using time parallel Revisionist Integral Deferred Correction Methods (RIDC) library.
- Combined the moving mesg methods to the RIDC methods.
- Developed a Matlab version of the RIDC library (RIDC library was written in C++) and compared both results.
- Visualized the results with Matlab to see the impacts of the moving mesh strategies to the solutions of our desired PDEs.

Experience

EMK-Investment Ltd. (Burger King)

Assistant Manager (Part-time)

May. 2019 – Present

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

- Supervise 5-10 team members and train new employees.
- Answer phone calls, and resolve customers' complaints.
- Monitor hourly sales, count cash, and make daily sales reports.
- Ensure that health and safety protocols are always followed by team members.

S&P Data Digital

Call Center Customer Service Associate

October 2018 – May 2019

St. John's, NL

- Resolved customer's complaints and provided an 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.

Memorial University of Newfoundland

Teaching & Research Assistant

Sep. 2016 – Sep. 2018

St. John's, NL

- Worked as a tutor at Math help centre
- Graded assignments and exam papers of undergraduate Mathematics courses.
- Worked on a research project under the guidance of my thesis supervisor.