

BAVYA MITTAL

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SKILLS & TECHNOLOGIES

Skills: Communication, Collaboration, Client Service, Adaptability, Strategic Thinking, Decision Making, Detail-Oriented

Technical Languages and Frameworks/IDE: Python • Java • C++/C • GTK • Django • Node.js

Tools: Tableau • AutoCAD • MATLAB • Microsoft Office Suite • Microsoft Project • Git • Slack • JIRA

EDUCATION

Computer Engineering with Business Minor

University of Toronto

2020-2025

- Recipient of: Edward S. Rogers Sr. Admission Scholarship, Dean's Merit Award (\$1000)
- Relevant Courses: Data Structures & Algorithms, Accounting and Finance, Markets and Competitive Strategies

EXPERIENCE

Sales and Trading Intern- Structured Notes Desk

12/2023-05/2024

Scotiabank

Toronto

- Assisted in preparing client presentation for structured notes desk, and using market research to understand different products
- Used Python and VBA to develop tools to automate daily intern tasks and debug pre-existing tasks
- Assisted team with daily reports and running specific back testing to showcase the structured product
- Performed market analysis to determine suitable underlying for note structures and developing unique structure ideas

Financial Engineering Intern GAFE

09/2023-12/2023

Scotiabank

Toronto

- Assist in the development and testing of derivative pricing models using C++
- Conduct mark to market impact and sensitivity analysis for different models
- Built quantitative tools for the trading desks, worked mainly on ICARUS system and developed ad-hoc tasks using Java

Junior Software Developer- Java

06/2022-08/2022

Golden Freight Forwarding and Marketing

Remote

- Worked on documenting software solution that enabled company to transition to a fully digital workflow, resulting in significant cost savings by eliminating need for paper
- Optimized file-retrieval time by 80% by implementing a search and filtering system to easily locate job information
- Completed software development 20 days ahead of schedule with a cross-functional team

App Tester

12/2021-04/2022

Ommaty Technological Solutions

Remote

- Gained hands-on experience in start-up and fast-paced environment while app testing to ensure functionality
- Developed 70+ test plans and cases for usability, performance, capability, and load testing for iOS and Android
- Initiated weekly meetings with company management to discuss defects and prioritize them
- Demonstrated flexibility and adaptability by taking on a variety of roles including debugging alongside developers

PROJECTS

Software Team Lead Tourist GIS Mapping - C++ (GTK)

01/2022-05/2022

- Led a team of 3 students using Agile software methodology, producing meeting agendas and status reports, updating project plans and objectives based on time constraints and changing specifications
- Designed algorithm with two-opt & genetic algorithm to solve Traveling-salesman problem and optimize results by 25%, leading to a ranking of 5th on local scoreboard of 40 teams