MUHAMMAD MUZAMMIL

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EDUCATION

University of Toronto   Toronto, ON
HBSc. in Computer Science, Minors in Mathematics and Statistics   Sep. 2021 – Present
- **GPA**: 3.97/4.00

The York School   Toronto, ON
International Baccalaureate & Ontario Secondary School Diploma   Sep. 2018 – Jun. 2021
- **IB Score**: 41/45
- **Overall Average**: 96.3%

EXPERIENCE

Teaching Assistant   January 2025 – Present
University of Toronto   Toronto, ON
- Led two weekly two-hour lab sessions for **CSC148: Introduction to Computer Science**
- Assisted with exam invigilation, exam marking, and office hours

Undergraduate Research Assistant   May 2024 – December 2024
University of Toronto   Toronto, ON
- **Supervision**:   Professors Alice Gao & Jonathan Calver
- Developed a simulator in C++ for the popular card game Hanabi. Repo: HanaSim
- Developed a game-playing agent for Hanabi based on techniques from reinforcement learning

Software Developer Intern   September 2023 – April 2024
FnS Consulting Inc.   Toronto, ON
- Designed and developed an end-to-end web application for a risk management system
- Front-end: JavaScript/TypeScript, React, HTML/CSS
- Back-end: C#

Undergraduate Research Assistant   May 2023 – August 2023
Intelligent Adaptive Interventions Lab   Toronto, ON
- **Supervision**:   Professor Joseph Jay Williams
- Assisted graduate students in human-computer interaction research in programming tasks, literature reviews, and administrative work

Director of Religious Education   September 2022 – April 2023
University of Toronto Muslim Students' Association   Toronto, ON
- Organized and led events on campus to enhance students' knowledge of Islam

Technical Skills

Languages: C#, Python, JavaScript/TypeScript, GraphQL, Java, C/C++, SQL, HTML/CSS, R, MATLAB, Swift
Frameworks: React, Node.js
Developer Tools: Git, Docker, VS Code, Visual Studio, PyCharm, IntelliJ, CLion
Libraries: pandas, NumPy, Matplotlib, PyTorch, scikit-learn
Databases: MySQL, MSSQL, FireBase
Cloud Technologies: Microsoft Azure
Mobile App Development: iOS, AndroidOS

Soft Skills

Organization: Demonstrated ability to efficiently organize tasks in a centralized system and maximize productivity through strategic, detail-oriented planning
Collaboration: Collaborates effectively with individuals from diverse backgrounds to drive successful project outcomes
Problem-solving: Proactively identifies and resolves issues independently as they arise
Leadership: Leads with initiative, motivating team members and driving performance to consistently achieve project milestones
Mentorship: Experienced in mentoring peers, promoting growth, and building a culture of continuous improvement

Projects

IRM: Designed and developed a web application that served as an integrated risk management system specialized for cybersecurity.
Atari Breakout: Implemented Atari's popular *Breakout* game in MIPS Assembly.
AutoTranslate Chat: Created a chatting Application that has a built-in feature to translated messages into the user's default language.
FriendTrackr: Developed an iOS app that allows users to view the location of other users who have accepted their friend requests.

Achievements & Awards

Innis College Exceptional Achievement Award: 2024
Later Life Learning Scholarship: 2022 & 2023
University of Toronto Dean's List Scholar: 2022, 2023 & 2024
University of Toronto Scholars Award: 2021
Ontario Scholar Award: 2021
The York School Award of Excellence: 2021 (*Chemistry, Math, & Physics*)
The York School Head's List: 2021