🌐 **Personal Website**

Nadeem **Said**

COMPUTER ENGINEERING · VARSITY/NATIONAL SWIMMER

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Skills

- **Programming Languages:** C# , C++, Python, LaTeX, EF Core, ASP.NET, Blazor, LINQ, ARM, VHDL
- **Technologies:** VS, VS Code, Eclipse IDE, Telerik, Postman, SSMS, JIRA, Azure DevOps, GIT, RESTful API, LT Spice, Quartus Prime, autoCAD, MS Office
- Fluent in **Arabic and English**. Beginner in **French**

Work & Volunteering Experience

SEH Computer Systems Inc.   *Tavistock (ON), Canada*

FULL STACK DEVELOPER   *Jan. 2022 - Apr. 2022*

- Participated in multiple **agile-supported** sprint ceremonies such as review, retro, refinement, planning to meet **user centric needs**
- Worked with **Microsoft Stack** (ASP.NET, EF Core, C#) from the **SQL DB** to the **UI end**, gaining experience in API, UI, and testing on both ends to develop a **Vehicle Insurance Web App**
- Participated in **discussions** with the **UI/UX Team** and **redesigned** UI pages to service a better **user experience**

AirBoss of America   *Kitchener (ON), Canada*

PRODUCTION EMPLOYEE   *May. 2021 - Aug. 2021*

- Operated Allen Bradley control systems to run a mill, making different types of rubber sheets while taking measures to increase **production efficiency**
- Mitigated risks on the production line using **communication** and **multi-generational teamwork**, and worked under **Lean Six Sigma** safety standards
- Familiarized with **control panel circuitry** and **TCU circuitry**

Fine Hygienic Holding (FHH)   *Amman, Jordan*

INTERN   *May. 2018 - Aug. 2018*

- Shadowed an **Enterprise Operations Manager** and **developed strategies** to **optimize production lines** through analyzing **production data**
- Enhanced skills in **efficient planning**, **budgeting**, **work ethics** and **time management**

Key Projects

Waterloo Minesweeper Game

HTTPS://GITHUB.COM/NADEEMSAID/WATERLOO-MINESWEEPER-GAME

- **Programmed using C++**, a unique version of **Minesweeper**, adapted to specifically fit the campus environment of the University of Waterloo
- Implemented **search algorithms** to check and update game status
- Generated and managed a board using the **array data structure** with **bit-shifting** and **masking**

Water NinjaTurtle

HTTPS://GITHUB.COM/NADEEMSAID/WATER-NINJATURTLE

- Utilized **autoCAD** to design and 3D-print a turtle that rests over a fish aquarium
- **Assembled** a **circuit-board** consisting of LED lights, sensors, batteries, resistors that lights up the LED light whenever the fish-tank needs more water

The Sound of Wine

HTTPS://GITHUB.COM/NADEEMSAID/THE-SOUND-OF-WINE

- Research Question: **How does the resonant frequency when a wine glass rim is excited depend on the volume of wine in the glass?**
- Modeled the data as a graph and used regression to determine a relationship equation

The Need for Speed

HTTPS://GITHUB.COM/NADEEMSAID/THE-NEED-FOR-SPEED

- Researched the question of: **How does the approach velocity affect the energy dissipation within a circular roller coaster loop?**
- Wrote a **step-wise iteration theory** before **designing and building** a real modeled roller coaster **to test the theory practically**

Honours & Awards

2021	**USPORTS Academic All-Canadian**, USPORTS Academic Award for top student-athlete academic achievers	*Waterloo, Canada*
2020	**Athletic Award**, *Board of Trustees Award for Distinguished Representation of Jordan*	*Amman, Jordan*
2020	**El Hassan Youth Award (Gold Level)**, Combines skills, service, physical recreation and local/global expeditions	*Amman, Jordan*
2019	**Academic Award**, Awarded by PSUT for being one of the top 100 academic achievers in the Jordan in 2019	*Amman, Jordan*
2017	**Silver & Bronze Medalist**, 200m & 100m backstroke - Stuttgart International Swimming Championships	*Stuttgart, Germany*

Education

University of Waterloo   *Waterloo, Canada*

B.A.SC. IN COMPUTER ENGINEERING   *Sept. 2020 - Apr. 2025*

- GPA: 3.7
- Varsity Swimmer on the Waterloo Warriors Swim Team, balancing school with 15+ hours of training/week