

Ahmed Nadeem

647-388-7304 • ahd.nad06@gmail.com • [LinkedIn](#) • [GitHub](#)

EDUCATION

York University

Masters of Science, Biology

Toronto, ON

Sep. 2024 – Present

York University

Bachelor of Science in Biomedical Sciences

Toronto, ON

Sep. 2020 – Aug. 2024

St. Robert Catholic High School

International Baccalaureate Program

Thornhill, ON

Sep. 2016 – May 2020

EXPERIENCES

Senior Recreational Support Worker

927 Clark Ave W.

Apr 2024 – Present

Thornhill, ON

- Managed staff members and individuals with disabilities, ensuring teamwork, providing basic first aid, and maintaining a safe environment.
- Ensured clients/individuals were satisfied with care and programs, addressing concerns promptly and effectively.

Software Engineer - Internal Tooling

927 Clark Ave W.

Dec 2023 – Aug 2024

Thornhill, ON

- Developed a web-based caseload allocation tool using Svelte, Tachyons CSS, JavaScript, Go, and Python
- Customized the application for social work, ensuring accurate data management with a private database

Fullstack Web Developer

Canadian Science Fair Journal, Children's Hospital of Eastern Ontario

Feb. 2022 – Mar 2024

Ottawa, ON

- Developed a collaborative web platform for 400+ users, similar to Google Docs and Drive, prioritizing ease of use and accessibility
- Utilized Vite, Tailwind CSS, and Firebase to enable real-time file sharing and communication, boosting user engagement and collaboration

Game Development Club Executive

York University

Dec 2021 - Apr 2024

Toronto, ON

- Facilitated game development discussions for 30+ members and led a team of 10 executives
- Led a team to create a hybrid and virtual workspace with hosted live coding workshops

Virtual Reality Research Assistant

York University

July 2021 – Aug 2024

Toronto, ON

- Contributed to VR depth perception research, focusing on object movement analysis in virtual environments
- Engaged in collaborative research projects at Dr. Laurence R. Harris' Multi-sensory Laboratory, working towards publication

Lab Assistant at York University

York University

June 2021 – Present

Toronto, ON

- Working as a lab volunteer at Dr. Anthony Scimè's Kinesiology Laboratory
- Learned a variety of techniques such as Western Blotting, Cell Staining, Immunofluorescence, Microscopy, Plasmid Protocol, Living Tissue Isolation in Mice, Titrations, and General Buffer and Solution Creation

Coding YouTube Channel (NAD LABS)

YouTube

May 2020 - Present

Toronto, ON

- Developed multiple videos teaching the first principles of effective game design and development
- 400,000+ cumulative views and 3.2k subscribers

Managing Director of Layouts

Canadian Science Fair Journal, Actua

Mar. 2020 – Present

Ottawa, ON

- Directed a team of 10+ layout designers in the production of scientific journals, ensuring quality content under tight deadlines
- Developed 8 hours of educational content focused on fundamental graphic design principles, corporate design guidelines, and their application in Affinity Publisher V2

| | |
|--|--|
| Social Worker <i>Reena Foundation, Toby and Harry Battle Developmental Centre</i> | Mar. 2019 – Present Thornhill, ON |
| <ul style="list-style-type: none"> • Provided comprehensive care for 50+ individuals with disabilities, advocating for their needs and rights • Led activities and interventions for neurodivergent individuals, ensuring a safe and accommodating environment | |
| General Hospital Volunteer <i>Mackenzie Richmond Hill Hospital</i> | June 2021 - Present Richmond Hill, ON |
| <ul style="list-style-type: none"> • Guided patients and families to correct locations while handling sensitive patient information with confidentiality. • Handled sensitive patient information while maintaining confidentiality using EPIC | |
| Let's Talk Science Educator <i>York University</i> | Dec 2020 - June 2021 Toronto, ON |
| <ul style="list-style-type: none"> • Taught innovative science lessons to kids from grades 3 to 8 virtually • Topics of lessons ranging from water cycle, to basic chemistry | |
| Class Rep BIOL 1000 <i>York University</i> | Sep 2021 - Dec 2021 Toronto, ON |
| <ul style="list-style-type: none"> • Held hours of office hours for students in BIOL 1000 to help them understand concepts • Created 734 flashcards, 129 practice questions resulting in better understanding of biology | |

POSTERS & PRESENTATIONS

| | |
|--|---------------------|
| Gold Medal Science Fair Alumni Speech <i>York Region Science & Technology Fair</i> | April 2024 |
| <ul style="list-style-type: none"> • Gave a speech and interview panel in front of high school students at a science fair. • Answered difficult questions about science, life, highschool achievements and mentored/integrated participants for awards | |
| Psychophysics VR Poster <i>Centre for Vision Research International Conference</i> | Jan 2022 - Dec 2023 |
| <ul style="list-style-type: none"> • Presented a poster at the 2023 Vision Research Conference • Nadeem A, Jörges B, Harris LR (2023) Perception of motion in depth during visually simulated self-motion. Centre for Vision Research Int. Conf., York University, Toronto | |
| COVID-19 Research Poster <i>Indicium Research Competition</i> | Oct 2020 - Mar 2021 |
| <ul style="list-style-type: none"> • Presented a poster at the 2021 Indicium Research Competition • Led a team of 4 students to understand COVID-19's spread against Canada's Climate | |

ACHIEVEMENTS

| | |
|---|----------------|
| Master's Scholarships <i>Research</i> | 2024 – Present |
| <ul style="list-style-type: none"> • Connected Minds Master's Scholarship - 20,000 CAD\$ | |
| Undergraduate Scholarships, Awards and Grants <i>Academics</i> | 2020 – 2024 |
| <ul style="list-style-type: none"> • Faculty of Science Entrance Scholarship - \$2,000 CAD • York University Automatic Entrance Scholarship - Renewed four times - \$4,000 CAD • Bennett Family Entrance Scholarship - \$3,000 CAD • Member of Dean's Honor Role - First Class Standing With Distinction | |
| Science Fairs <i>Research, and Communication</i> | 2016 – 2020 |
| <ul style="list-style-type: none"> • Silver Medalist at the Canada Wide Science Fair • Silver Medalist at the Sanofi Biogenius Regional Competition • Gold Medalist 2020 at York Region Science and Technology Fair Medalist (YRSTF) • Silver Medalist, 2016, 2017, 2018, 2019 at YRSTF • HOSA Gold Medalist - Biomedical Innovation Original Competition - led team of 3 - \$1,000 CAD Reward | |

TECHNICAL SKILLS

Languages: English, French, Urdu
Programming Languages: JavaScript, Python, GDScript, C#, HTML/CSS, R
Technologies: Zoom, Slack, Virtual Reality, Adobe Creative Suite, Microsoft Office, Microsoft Teams
Sports: Tennis, Swimming, Chess