Yahya Elgabra

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Education

University of Toronto **Sep. 2021 – April 2025**

Honours Bachelor of Science in Computer Science *Toronto, Ontario*

- Dean's List Scholar for 2021 - 2022 academic term with cGPA of 3.84/4.0
- Relevant Coursework:
  - Software Design
  - Theory of Computation
  - Computer Organization
  - Intro to Databases
  - Software Tools and Systems Programming
  - Data Structures and Analysis

Technical Skills

Languages: Python, Java, C, C#, HTML/CSS, JavaScript, SQL
Developer Tools: Git, VS Code, Unity, LaTeX
Technologies/Frameworks: Linux, GitHub

Projects

Game Development | *C#, Unity* **November 2021**
- Won first place out of 6 submissions in game jam hosted by Game Design and Development Club at University of Toronto by working with two colleagues to develop a rogue-like tower defense game using C and Unity.
- Responsible for programming enemy AI, projectile collisions, and animation.

Chess | *Python* **May 2022**
- Recreated chess engine using pygame.
- Developed chess AI using alpha-beta pruning.

Web Design | *HTML, CSS, JavaScript* **October 2020**
- Created and designed several pages, namely, tribute page, survey form, product landing page, technical documentation page using HTML, CSS, and JavaScript.
- Implemented particles.js and used jQuery for personal website.

Leadership / Extracurricular

Recognized Group Leader **September 2021 – April 2022**

University of Toronto *Toronto, ON*

- Lead Calculus and co-lead Foundations of Computer Science RSGs (registered study groups) which contributed to members having an average of 10 marks above course average through three hours of weekly study sessions in which I tutored 7 peers.

Volunteer **September 2020 – Mar 2021**

ACTVET *Abu Dhabi, UAE*

- Participated in the FAZAA initiative, launched by ACTVET, as a volunteer for 6 hours weekly.
- Organized and managed marathons and other events with local organizations.

Tutor **September 2020 – Apr 2021**

Abu Dhabi, UAE

- Tutored 4 elementary and middle school students in maths, sciences, and English, spending 3 hours per student weekly.
- Assembled lesson plans to administer to students and keep them on track with assignments.
- Kept records of academic performance and applied this information to address areas of improvement for students.

Achievements

Euclid Math Contest **2021**

University of Waterloo
- Ranked in the top 25% from over 20,000 contestants in the Euclid math contest held by the University of Waterloo 2021

Canadian Computing Competition **2021**

University of Waterloo
- Ranked in the top 25% from over 2,900 contestants in the Canadian Computing Competition held by the University of Waterloo 2021

Web Design Certificate **2021**

FreeCodeCamp
- Responsive Web Design Certificate from FreeCodeCamp after finishing HTML, CSS, and JavaScript coursework