**Gordon Tan**

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EDUCATION

**University of Toronto,** Toronto, ON *Expected* *Date of Graduation: April 2027*

*Bachelor of Applied Science in Engineering Science in Machine Intelligence*

* CGPA: 3.72/4.00

PROFESSIONAL EXPERIENCE

**Learning Systems and Robotics Lab** *May 2024 – Present*

*Undergraduate Researcher*

* Worked collaboratively with the Business Development team to secure employer partnerships for **YNCN’s career fairs** and events, **raising over $100,000** within the fall semester.
* Developed and maintained corporate relationships with **70+ companies** surrounding Toronto and Montreal.

**You’re Next Career Network (YNCN)** *May 2023 – Present*

*Business Development Associate*

* Worked collaboratively with the Business Development team to secure employer partnerships for **YNCN’s career fairs** and events, **raising over $100,000** within the fall semester.
* Developed and maintained corporate relationships with **70+ companies** surrounding Toronto and Montreal.

**University of Toronto Indoor Microbiology and Environmental Exposures Lab**  *May 2023 – September 2023*

*Undergraduate Researcher*

* Developed a novel **Multiplex ELISA** procedure utilizing **machine learning model**s to simultaneously detect multiple mycotoxins to aid current research on fungal mycotoxins under the supervision of Professor Sarah Haines.
* Developed and optimized **digital PCR procedures** to detect and quantify fungal DNA within dust samples, reducing the use of experimental resources.

**University of Toronto Machine Intelligence Student Team (UTMIST)** *October 2022 – May 2023*

*Project Developer*

* Co-developed a **machine learning meta-model** to compete in the **Numerai** **hedge fund data science tournament**, achieving an **85th percentile standing** out of 6000+ models.
* Integrated and implemented in-depth research on **gradient-boosted models** (XG Boost, Catboost, LGBM), resulting in producing the most accurate predictions among other models in the meta-model.

**Global Research and Consulting Group (GRC)** *October 2022 – May 2023*

*First Year Intern and Consultant*

* Worked with a team of consultants to develop and implement a volunteer recruitment and training system for non-profit organizations in the North York area, allowing for increased manpower and their ability for expansion.

PERSONAL PROJECTS

**Numerai Data Science Tournament**

* Developed and optimized **gradient-boosted models** to compete in the Numerai hedge fund data science tournament, obtaining an 85th percentile standing and gaining a **positive ROI over a 3-month period.**

**Seam Carving Image Editing Tool**

* Developed an algorithmic image editing tool with the capability of rescaling images while maintaining optimal image quality and preserving key features through using **dynamic programming** to establish the optimal pixels to remove.

**TOEFL Semantic Similarity Dictionary**

* Developed an intelligent system with the ability to learn to identify synonyms of given words to answer questions on the TOEFL, through web-scraping, achieving 75% accuracy.

SKILLS

* Varied leadership and teamwork experience: Strong foundation in communication with peers and team members
* Ability to rapidly learn and adapt to situations through completing rigorous training programs and self-directed initiatives.
* Problem Solving: Experienced in devising effective solutions to address challenges and obstacles.
* Technical: Python, SQL, C, MATLAB
* Languages: English (Fluent), Mandarin (Fluent), French (Intermediate)

LICENSES & CERTIFICATIONS

Private Pilot License – Aeroplane VFR *Transport Canada*

Associate Diploma (ARCT) in Piano Performance *Royal Conservatory of Music*

Standard First Aid CPR-C & AED  *St. John Ambulance Canada­­­­­*

AWARDS

Second Place – University of Toronto Engineering Kompetitions Parliamentary Debate *November 2023*