Yun Ru

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EDUCATION

University of Toronto **Toronto, Canada**
B.A.Sc. in **Computer Engineering** *Expected June 2024*
Minor in **Business Engineering** and Certificate in **Artificial Intelligence**
Dean's Honour List for the 2020 Winter

Microsoft Technology Associate (MTA) Certification: Database Administration Fundamentals, Introduction to Programming using Python, Networking Fundamentals

PUBLICATION

Yun, R. (2021) "Analysis on the Artificial Intelligence in the Best Relationship Model", 2021 International Symposium on Artificial Intelligence and its Application on Media (ISAIAM), Xi'an, China, May 21-23, 2021. IEEE Xplore. August 23, 2021. https://ieeexplore.ieee.org/document/9516507

PROFESSIONAL EXPERIENCES

HelloFresh **Toronto, Canada**
Junior Data Scientist Co-op, Supervisor: Phil Lynch *05/2022–08/2023*
- Constructed ETL pipelines by extracting nutrition data using HTTP, Selenium, and BeautifulSoup
- Supported the Procurement Operations team in developing an automated freight booking tool to realize smart cargo transportation services while ensuring the data security
- Assisted the HR team in building an HR metrics dashboard with Google Apps Script
- Completed an automated reporting of top-line metrics to provide actuals versus targets across metrics weekly

Shenzhen Tianyuan Dic Information Co., Ltd. **Shenzhen, China**
Assistant Software Engineer Intern, Supervisor: Xiaoyan Peng *05/2021–09/2021*
- Designed an automated parking payment program in Java and optimized the website's payment page
- Enhanced and maintained the client's (CapitaLand) website layout in HTML
- Contributed to ten vendor contracts by producing a 100-page industry research report on smart city

PROJECT EXPERIENCES

MakeUofT 2023 (largest hardware hackathon in Canada), *Team Member*
- Devised PillowMate, a smart sleep tracker featuring biometric analysis, built-in surround sound, smart alarm
- Debugged the connection between various peripherals (analog/digital) and the Raspberry Pi
- Realized real-time sleep tracking via timely data transportation among sensors, Raspberry Pi, and the backend

Easy Go – Inclusive and Assessable Map (ECE 297 Course Project), *Team Member*
- Built a multi-stop route planner in C++ based on A* algorithm, Greedy algorithm, and Simulated Annealing
- Retrieved geographic information from StreetDatabase and OSMDatabase APIs
- Performed map navigations and users' interactions with the EzGL library

LEADERSHIP & ACTIVITY

Skule Badminton Club, *VP Digital* *12/2019–05/2021*
- Arranged online Discord entertainment event for over 100 freshmen
- Crafted the official website and created illustrations for upcoming activities with Canvas

SKILLSET

- Programming: C, C++, Python, Java, JavaScript, SQL, HTML, CSS, PHP, Verilog, Assembly Code, XML
- Libraries: Matplotlib, NumPy, Pandas, PyTorch, REST, EzGL, Tailwind CSS, TensorFlow
- Database & Frameworks: MySQL, PostgreSQL, MongoDB, SQLite, Bootstrap, Django, React
- Software: MATLAB, Tableau, Excel VBA, ETL Tools, Nginx, Intel Quartus, ModelSim, Typhoon, LaTeX DE1-SoC, Git, LTSpice Simulator
- Language: Mandarin (Native), English (Fluent)