Yimiao Yuan (Linda)

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Toronto, ON

EDUCATION

University of Toronto   Sep 2020 - May 2025

Third Year Engineering Science Student, including PEY Coop   Toronto

Machine Intelligence Major, Bioengineering & Engineering Business Minor

CGPA : 3.19/ 4.00

Courses : Programming, ML Algorithm, Software System, Linear Algebra, Signal Analysis, Databases, AI, Computer Security

AWARDS & SCHOLARSHIPS

ESROP - U of T Fellowship   May 2022 - Aug 2022

Researcher, Division of Engineering Science, U of T   Toronto

- The Engineering Science Research Opportunities Program
- Receive $3,500 to work on a full-time summer research project under the supervision of a professor

Academic Record   Sep 2020 - May 2021

Student, Division of Engineering Science, U of T   Toronto

- First and third year in Dean's Honours List
- Demonstrate academic excellence in 2 individual sessions, with a weighted term average of 79.5% or higher

WORK EXPERIENCE

Xero   May 2023

Data Engineer Intern   Toronto

- Support informed company-wide decision making
- Developing company's data strategy and infrastructure
- Work in agile projects with internal stakeholders and systems to explore large datasets, build data pipelines, develop reports, engage in data collection, create predictive models, drive organizational improvement, and define key metrics for the business

SavvyUni   Aug 2022

Teacher   Toronto

- Teach undergraduate courses around the world through zoom
- Courses: Calculus, Material Science, Physics

New Oriental Education & Technology Group Inc.   Jun 2021 - Aug 2021

Teaching Assistant   Beijing

- Cooperate with the bishop teacher to complete Magson's normal teaching work
- Responsible for the recording of photos or videos during the normal teaching process
- Before class, ensure that all equipment in the classroom is in normal operation, and the placement of tables and chairs is tidy and orderly

RESEARCH EXPERIENCE

Project: Measuring Entangled Photons   May 2022 - Aug 2022

Researcher, Department of Electrical & Computer Engineering, U of T   Toronto

- Conducting research in Professor Amr. Helmy's lab
- Build chips to replace nonlinear crystals, bringing important advances to integrated parametric devices for communication, quantum encryption and satellites

- Readings of Quantum Physics, SHG experiment, SPDC experiment, characterized the 9th iteration of a Bragg reflection waveguide laser

PROJECT EXPERIENCE

Designing: Vacuum Grabber   Apr 2021

Team Member   Toronto

- Design a product that can benefit the disabled people who sits on a wheelchair, help them to pick up the falling objects
- Considering safety is the most critical value
- Conducting a large number of research and experiments, then have three possible choices, which are jaw parallel gripper, the robotic hand gripper and the vacuum gripper

Programming: Seam Carving   Mar 2021

Programmer   Toronto

- Using C Programming language to cut out the unimportant frame in a given picture based on the calculation of pixels

Programming: Semantic Descriptor   Feb 2021

Programmer   Toronto

- According to the given vocabulary, find its synonyms in a database by applying the semantic descriptor that written in Python

SOCIETIES AND ORGANIZATIONAL EXPERIENCES

Hamilton Victory Garden   Apr 2018 - Jun 2018

Volunteers Public charity organizations   Hamilton

- Provide homeless people with fruits and vegetables to ensure their lives
- Help grow vegetables and fruits to reduce the work intensity of the person in charge

Hammer Heads Club --- Leadership Team   Jan 2018 - Apr 2018

Community members volunteer   Hamilton

- Plans weekly activities for a nursing home next to the dormitory and implements them every Thursday. For example, planting flowers, playing in bands, bingo, etc.
- Bring happiness and companionship to the elderly in nursing homes
- Responsible for providing activity ideas, inviting the elderly to participate in activities and interacting with them

SKILLS, CERTIFICATIONS & OTHERS

- **Skills:** Office, PowerPoint, Excel, Python, Java, C, SQL, R, Verilog, ARM Processor
- **Certifications:** Canadian CSMC Math Competition Results in Top 25% in the World
- **Languages:** Mandarin, English, IELTS (7.0)
- **Interests:** Piano (conservatory level 7), bass (conservatory level 9), swimming, tennis, skating, photography

CERTIFICATES

Tech Stewardship Practice Program   Aug 2022

Student, Tech Stewardship   Toronto

- Tech Stewardship Practice empowers us to play our part in bending the arc of tech development towards good, resulting in tech that is more purposeful, responsible, inclusive, and regenerative
- This certificate recognizes the completion of 18 hours of effort spanning three core commitments of Advance Understanding, Deliberate Values, Practice Behaviours and integration of TS with Career Management

Certificate of Training in Laser Safety   Jun 2022

Student, Office of Environmental Health & Safety, U of T   Toronto

- Successfully completed the course in Laser Safety, approved by the University of Toronto Laser Safety Committee
- Validity: 3 years