



Academic Experiences

University of Toronto, Sept. 2020 – May 2025 (Expected)

Bachelor of Applied Science in Electrical & Computer Engineering (+ PEY Co-op)

Relevant Courses: Linear Algebra, Calculus, Probability & Applications, Etc.

Technical Skills

- **Mathematics:** Linear Algebra, Applied probabilities calculation, Calculus, Algorithm complexity analysis
- **Programming:** HTML, CSS, JavaScript, React and SQL, C++, Python, C, Assembly, Verilog
- **Others:** Good communication skills; fluency in Microsoft Office; fluency in English and Chinese language

Projects

Team member, Software Communication and Design, University of Toronto

- Built a GIS mapping and pathfinding system using C++ in a team of 3.
- Utilized data and algorithms from different sources to resolve problems; organized monthly meetings to report progress to instructors.
- Established a mapping system with multiple filters and maximized pathfinding speed; attained high marks on final presentation.

Team member, Fundamentals of Deep Learning, University of Toronto

- Obtained knowledge of basic Machine Learning Algorithms through lectures and team-study sessions.
- Designed a CNN model classifying different types of fruits as a course project in a team of 3.
- Attained an average of 91% for the model project.

Team member, Computer Organization, University of Toronto

- Built several Assembly and C programs in a group of 2.
- Implemented all programs, including a computer game of Ludo with multiple I/O methods, on an Intel ARM processor using C.
- Attained a mark of 92% for lab marks.

Student, Software Development Camp, Californian Bureau for Private Postsecondary Education

- Obtained knowledge of basic software development skills including programming of Java, HTML, CSS, and simple JavaScript and React.
- Constructed an online food ordering system with user register and login interfaces and simple access to SQL databases.
- Temporarily established the system online via AWS; the system functioned well for most user requests.

Paid Work Experiences

Beijing Haixinkejin High-tech Co., Ltd., AI Intern June 2022 – July 2022

- Used company-developed tools to do data marking, including printed characters and human face traits from images; assisted the installations of face recognition hardware.
- Documented data of 4000+ human portraits, 500+ pages of books, official certificates, and other printed works through an AI development online system and processed them through Microsoft Excel.
- The processed data provided essential arguments and accelerated development for a newer AI model of the company.