

Jorryn Lu

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EDUCATION

**Bachelor of Applied Science
Engineering Science -
Electrical and Computer
Engineering Major + PEY**

University of Toronto St. George
Sep 2019 – May 2024
Cumulative GPA: 3.93

SKILLS

Programming

Python, C/C++, Docker, Jenkins,
Linux Command Line, Shell Scripts,
Git/Github, Verilog/ARM
Data Structures and Algorithms
Intro to Machine Learning
HTML/CSS/React

Video Editing

Premiere Pro, After Effects,
DaVinci Resolve

Other Software

MS Office: Word, PowerPoint, Excel
Adobe Creative Suite: Photoshop,
Lightroom, Illustrator, InDesign

STRENGTHS

Statistics, Calculus, Linear Algebra
Problem solving & analysis
Time management & organization
Teamwork & leadership

FUN FACTS

Multilingual, passionate about
technology in music, performing
arts and music enthusiast,
Self-taught Video/Photo Editor

PROFILE

Self-motivated, quick-witted, energetic engineering student with 10+ years of rigorous training in applied math, science, and programming. Proven ability to analyze, organize and solve problems efficiently under pressure. Exceptional leadership skills that led teams through competitions and community events. Ready to learn and grow.

INTERNSHIP, PROJECTS AND ACHIEVEMENTS

Machine Learning Systems Intern

May 2022 – Aug 2023

Qualcomm Canada Inc, Markham, Ontario

- Created a dashboard using the streamlit library in python that helped monitor the status of the team's projects by displaying snapshots of information. The dashboard supports 5 different axis option views and can display up to 14 days of simulation results at once.
- Transitioned the team's nightly simulation tests from freestyle Jenkins to Jenkinsfile; reduced 30% of Jenkins' job configuration complexity and increased robustness of these automated jobs.
- Applied machine learning and computer systems knowledge using python, C++, and shell scripts in miscellaneous tasks that improved the team's simulation speed, efficiency, and robustness.

Daisy Intelligence Hackathon

Jan 2020

Daisy Intelligence, Toronto, Ontario

- Used document imaging technologies to classify ad clippings; scored highest in overall accuracy and placed 2nd out of undergraduate teams university wide.

Music Information Retrieval

Feb 2019 – Jun 2019

National Tsing Hua University, Hsinchu, Taiwan

- Used machine learning technique to detect tempo and key in music; best overall accuracy of 42.22%.

Breakthrough Junior Challenge

May 2018 – Jul 2018

Breakthrough Prize Foundation, Worldwide

- Created an educational video on multivalent cell interactions using Premiere Pro and After Effects; ranked top 30% out of thousands of contestants worldwide.