**John Li**

5032 Forbes Avenue • Pittsburgh, Pennsylvania  15289 • yunzel2@andrew.cmu.edu • 412-339-8670

## Education

**Carnegie Mellon University**                                                               Pittsburgh, PA
Information Systems/Computer Science
Graduation Date: May/2028

**Crescent School**                                                                           Toronto, Canada
                                                                                               June/2024

## Experience

**DATA SCIENCE RESEARCH**                                                          Toronto, Canada
**Independent Researcher**                                                       April 2023 – October 2023
- Wrote and published an 11 page paper on predicting loop closure detection in a robotic arm
- Trained and created ML models: decision tree(90%), random forest(89%), and logistic regression(83%)
- Created a neural network model with an accuracy of 94%

**FRC Robotics**                                                                          Toronto, Canada
**Strategy Lead, Robot driver, Mentor**                                         September 2021 – Present
- Coded a program to assess which teams work best with specific robots using primary scouting data
- Learned to collect, manipulate data to extract useful information

## Leadership and Activities

**Holland Bloorview Robotics**                                                            Toronto, Canada
**Instructor of Robotics Program**                                               July 2023 – May 2024
- Taught 50+ children with mental disabilities robotics through LEGO
- Instructed over 3 different age groups of children
- Learned to communicate in various different ways based on each child's individual needs and behaviors.

**DECA Business Team**                                                                    Toronto, Canada
**Mentor**                                                                       September 2020 –  Present
- Assisted 20+ members to gain regional, provincial honors and results.
- Conducted practice interviews and exams specializing in marketing and communication

## Skills & Interests

**Technical:** Java, Python, Machine learning, Pandas, Sci-kit learn, TensorFlow
**Language:** English, Mandarin, French(read and write)