

# Qingyan Lu

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Github: <https://github.com/Monica-Lu>

## EDUCATION

**Rensselaer Polytechnic Institute(RPI)** - Troy, NY Expected May 2027  
Bachelor of Science in Computer & Systems Engineering and Electrical Engineering  
GPA: 3.39  
**Panther Creek High School** - Cary, NC Graduated June 2023  
Weighted GPA: 4.3

## RELEVANT COURSEWORK

SAS Programming, Differential Equation, Multivariable Calculus and Matrix Algebra, Data Structures, Computer Component, Embedded Control, Rensselaer Center for Open Source

## SKILLS

**Certifications:** SAS Certified Base Programmer, Microsoft Excel Expert & Associate(Office 2019), ACT Workers Platinum Level, MTA: Introduction to Programming Using Python - Certified 2020

**Technical:** Python, Github, Microsoft Suite, MATLAB, C++, Arduino, Typescript, Docker, Tensorflow

**Languages:** Fluent in English and Mandarin, Intermediate in Korean

## WORK EXPERIENCE

**Feng Cha**, Morrisville, NC April 2023 - August 2023  
*Barista*  
- Trained employees on cashier management, completing orders, and providing excellent customer service

## PROJECT

**Duke Summer STEM Program**, Durham, NC July 2022  
- Worked with engineers on prototyping projects  
- Designed and assembled a prototype to improve consumers' sleeping quality  
More details on: <https://sites.duke.edu/summerstem/night-night-2/>

**Forge Website**, Troy, NY Jan 2025 - Present  
*Rensselaer Center for Open Source*  
- Worked with a team and follow scrum framework to build new website for RPI makerspace  
- Developed skills with using python, react, docker, fastapi to build a dynamic application  
- Designed informative webpages in frontend and fixed user experience bugs  
- Participated in code review process on GitHub and iteratively modified code

## RESEARCH

**Transformer based models for sequential recommendation tasks**, Troy, NY  
- Introduced to Deep Learning, Sequential Models, RNNs, LSTMs, GRUs

## ACTIVITIES

**Church Choir Group** Troy, NY August 2023 - Present  
**HACKRPI** Troy, NY August 2023 - Present  
**CRU** Troy, NY August 2023 - Present

