

QILIN SUN (Samuel)

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EDUCATION

Carnegie Mellon University, Pittsburgh, PA
Bachelor of Arts in **Physics**, minor in **Robotics**

May 2025

Relevant Coursework:

11-485 Introduction to Deep Learning
15-213 Introduction to Computer Systems
24-104 Introduction to Modern Making
24-200 Maker Series: Intro to Manual Machining

INTERNSHIPS

Colibri Technologies, Inc. Summer Intern.

July 2020

Prototyped a program in C++ simulating human control of computer mouse and keyboard.

TECHNICAL SKILLS:

Programming Languages: C, Python
Experience in deep learning (PyTorch)
Familiar with HTML, CSS, MySQL, and basics of Django web framework
Intermediate Solidworks skills, basic Altium Designer skills

AWARDS

Best Prototype in Make-a-thon hosted by Wabtec for using Arduino to conceptually design a robot that dispels rail trespassers to prevent the train from colliding with them

Meritorious in High School Mathematical Contest in Modeling 2019

1st Prize in British (Oxford) International Open Piano Competition 2020

Silver Prize in International Space Station Design Competition Beijing Final Round 2018

Octa-Finalist in North American Speech and Debate Association Novice Group Shenzhen Round 2017

EXTRACURRICULAR ACTIVITIES

Cathaypath Institute of Science summer program.

June-July 2018

Built a computer simulation of high-energy heavy ion collisions and learned generally about particle physics

OTHER SKILLS:

Familiar with Adobe Premiere Pro, Photoshop, and Aftereffects
Piano (passed ABRSM level 8 exam)
Proficient in FL Studio 20