

Anna Wang

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EDUCATION

Carnegie Mellon University

Bachelor of Science in Electrical and Computer Engineering

Pittsburgh, PA

May 2029

Relevant Courses: Introduction to Electrical and Computer Engineering, Linear Algebra and Vector Calculus for Engineers, Fundamentals of Programming and Computer Science, Concepts of Mathematics, Physics 1 for Engineering Students, Effective Coding with AI

SKILLS

Software: Python, Java, Apple Macintosh OSX, Windows, MATLAB

Languages: Mandarin (Chinese), French, English

WORK EXPERIENCE

MIT Lincoln Laboratory

Lexington, MA

High School Summer Intern

July 2024 – August 2024

- Built a 700 Hz Morse code communication system
- Designed circuits and filters with LTSpice and MATLAB and analyzed signals through an oscilloscope and spectrum analyzer
- Utilized software-defined radio to view waterfall plots with Morse code images
- Selected from a pool of over 250 applicants (~1% acceptance)

Duke University Remote Internship

Shrewsbury, MA

Intern

July 2022 – June 2025

- Built a 6-layer 1D convolution neural network (CNN) to classify sleep stages to detect sleep disorders achieving ~99% accuracy based on the EEG Sleep EDFX dataset
- Quantized CNN to 2 bytes & 1 byte achieving ~60% and implemented Quantization-Aware Training
- Presented a Paper/Podium presentation at the Joint Statistical Meetings and IEEE/ACM International Conference on Connected Health: Applications, Systems and Engineering Technologies
- Published on IEEE: **A. Wang**, Q. Huang, Y. Chen, *A Quantized Parsimonious CNN Model for Sleep Polysomnogram Data Streams*

RESEARCH EXPERIENCE

CMU SURA

Pittsburgh, PA

Independent Research

May 2026 – August 2026

- TBD

ACTIVITIES

Club Tennis, Carnegie Mellon University

September 2025 – Present

Asian Student Association Freshman Rep, Carnegie Mellon University

September 2025 – Present

Girls Who Code Co-President, Shrewsbury High School

September 2022 – May 2025

Elementary Tutoring Club President, Shrewsbury High School

September 2022 – May 2025

Student Council Historian, Shrewsbury High School

September 2022 – May 2025

FRC Robotics Team 467, Shrewsbury High School

September 2022 – May 2024