

# Sophia Chen

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## EDUCATION

### Greenfield University

Bachelor of Science in Computer Science

*Specialization in Machine Learning*

Seattle, WA

GPA: 3.95 / 4.0

August 2022 – May 2026

- Relevant Coursework: Intro to AI, Natural Language Processing, Computer Vision, Deep Learning

## EXPERIENCE

### AI/ML Intern

*QuantumLeap AI*

June 2025 – August 2025

Seattle, WA

- Developed a text classification model using TensorFlow and Keras to categorize customer support tickets, achieving 95% accuracy.
- Designed a data augmentation pipeline for an image recognition project, increasing the training dataset size by 5x and improving model robustness.
- Deployed the trained model as a REST API using Flask and Docker on an AWS EC2 instance.

## RESEARCH

### Undergraduate Research Assistant

January 2025 – Present

- Assisting Professor Ada Lovelace in the Greenfield AI Lab on a project for generative adversarial networks (GANs).
- Implementing and evaluating novel GAN architectures in PyTorch for realistic image synthesis.
- Preparing results for a potential publication in a peer-reviewed conference.

## PROJECTS

### Neural Style Transfer

October 2024

- Implemented the seminal paper "A Neural Algorithm of Artistic Style" in PyTorch to combine the content of one image with the style of another.
- Experimented with different VGG network layers to control the style and content reconstruction.

## TECHNICAL SKILLS

**Languages:** Python, C++, R, MATLAB

**Cloud Platforms:** AWS (EC2, S3, SageMaker), GCP

**Frameworks:** TensorFlow, PyTorch, Keras, Scikit-learn, Pandas, NumPy

**Libraries and Tools:** Docker, Git, Jupyter, Flask, OpenCV