






# Alex Martin

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## EDUCATION

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### New York University

Grad May 2025

*Bachelor's with Computer Science Major and Studio Art Minor*

## WORK EXPERIENCE

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### Voicera · Software Development Intern

June 2024 - Sept 2024

- ▷ Front end development of Voicera product insights, creation and improvement of datasets, training of AI models, data science activities, testing, and technical documentation.

### NYU IT High Speed Research Network · Software Development Intern

Sept 2021 - Jan 2022

- ▷ Implemented a python library that does client server communication with internal pub/sub application.
- ▷ Utilized TLS authentication/encryption, data transfer through UDP/TCP/WS, and client unit tests.
- ▷ Created documentation and guided people's use of the library, as well as participated in bug fixing.

### IDM.Grow · Student Researcher

Sept 2021 - Jan 2022

- ▷ Displayed plant CO2 data collected on a Raspberry PI with ReactJS to enable plant health tracking.

## PROJECTS

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### Facial Recognition App

June 2024

- ▷ Developed using React, Typescript, and Tensorflow libraries, this webapp takes a constant webcam stream and identifies up to five faces in the stream.

### URL Shortener

Mar 2024

- ▷ Utilizing Django and Python, created a URL shortening API consisting of two endpoints for URL shortening and lengthening
- ▷ Observable using Prometheus metrics, and containerized using Docker

### OpenGL Game

July 2023

- ▷ Created using game engine made from OpenGL library, this platformer game involves avoiding moving enemies in the dark, using a light source that follows the character.
- ▷ Utilizes different classes to create the entities in the game, as well as other shading and sound effects.

### Personal Website

Jan 2022

- ▷ Created a NextJS website with p5.js canvases in order to create and interactive and animated website.
- ▷ Deployed on Github Pages and renders all content client-side to reduce server burden/costs.

## SKILLS

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### Languages

Python, C++, C, Javascript, Typescript, Java, Bash/Zsh, LaTeX, HTML, CSS

### Tools

Linux, AWS, ReactJS, p5.js, Git, Fusion360, OpenGL, Unity, PyTorch, Django

## CERTIFICATIONS

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AWS Cloud Practitioner

Sept 2022

Data Science Bootcamp

Dec 2021