Alex Martin

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EDUCATION

New York University   **2020-2025**
Bachelor's with Computer Science Major and Studio Art Minor   *GPA: 3.0*
Penfield High School   **2017-2020**
Regents Diploma with Advanced Designation   *GPA: 94.0*

WORK EXPERIENCE

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 · *Software Developer*   *Sept 2021 - Jan 2022*
▷ Display plant CO_2 data on a unified UI with ReactJS to enable plant health tracking.

PROJECTS

Face Recognition App   *Deployed*
React webapp that takes a constant webcam stream and identifies up to five faces within the stream. Developed using React and Typescript as well as Tensorflow libraries.

OpenGL Game   *Deployed*
Platformer game created using game engine made from OpenGL library. Player avoids enemies in the dark using a light source that follows the character. Player can win by reaching the end of the levels and turning the light back on.

Personal Website   *Deployed*
Created a NextJS website with p5.js canvases in order to create and interactive and animated website. The website is deployed on AWS Amplify and renders all content client-side to reduce server burden/costs.

URL Shortener   *Deployed*
Created a URL Shortener API using Django and Python. This persists of two endpoints for URL shortening and lengthening, as well as Prometheus metrics for observability. This is all containerized using Docker.

SKILLS

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

AWS Cloud Practitioner   *Sept 2022 - Sept 2025*