

Adeland Luo

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EDUCATION

University at Buffalo

Bachelors of Science in Computer Science

Buffalo, New York

December 2025

EXPERIENCE

Sameasy Design & Print

Graphic Design Assistant

Brooklyn, New York

Jul 2021 – Aug 2023

- * Designed and edited advertisements for over 200 local businesses utilizing Adobe Photoshop.
- * Created custom merchandise and printed large banners for clients with RIP Queue and Graphtec.

MakerState

STEM Instructor

New York, New York

Feb 2022 – Aug 2022

- * Taught 10 cohorts of younger students basics in Scratch and how to create functional code alongside programming basics for objects and robotics in Lego Mindstorms.
- * Instructed 15 classes of 20 students on designing and printing 3-D models in TinkerCAD.
- * Crafted STEM curriculum, featuring TinkerCAD modeling projects, Scratch programming problems, and informative lectures on fundamental programming principles to challenge students.

PROJECTS

OmniSense | (MATLAB, Stable Diffusion, Adobe Photoshop)

- * Challenge winning hackathon project that utilizes MATLAB simulations of software-defined radios emitting monostatic radio frequency waves.
- * Aimed at assisting visually impaired users by informing them of any possible obstructions or objects approaching them in a 360 degree radius.

InnerMosaic | (TensorFlow, React Native, Flask)

- * Hackathon project integrating AI with traditional journaling methods to give users insightful feedback on their journal entries.
- * Trained learning module on 1473 journal entries to match words with emotions utilizing BERT.
- * Model outputs a mood-sphere based on found sentiments to help users visualize their emotional landscape.

Local | (TypeScript, Flask, React)

- * Hackathon project implementing an AI learning module that matches users with ~1000 local companies and startups in the Buffalo-Niagara area.
- * Features an interactive map of company locations and interview processes to assist users.

Trading Models | (Python, Pandas, Zipline)

- * In-progress Python project focused on modeling market data and formulating trading strategies for backtesting on historical American financial markets.
- * Aimed at gaining insights into the impact of volatility and risk factors on decision-making processes during strategy development.

Visual Novel | (Python, Ren'Py, Stable Diffusion)

- * In-progress novel game written in Ren'Py driven by user input with 13 varying endings based on user decisions.
- * Over 500 differing character and background arts generated utilizing NovelAI image diffusion engine version 2.

SKILLS

Frameworks & Programming Languages Proficient: Python | Familiar: Java, C++, HTML, TensorFlow, React, Flask, MongoDB, Docker, Pandas, Autodesk, Microsoft Office, Adobe Photoshop.

Languages English, Chinese.