

TRUDY PAINTER

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EDUCATION

Massachusetts Institute of Technology, Cambridge, MA - Graduating Spring 2023, GPA: 4.7/5.0
Computer Science and Engineering (Course 6-3) and Comparative Media Studies (Course CMS)

ACTIVITIES

Varsity Lacrosse, Schwarzman College of Computing Advisor, Infinite Magazine Editor, 2023 Ring Committee, PLEASURE Peer Educator, Alpha Phi Recruitment Team

EXPERIENCE

Viral Communications, MIT Media Lab

Researcher, Fall 2021 - Present

Developed creative AI tools to explore the potential of generative machine learning models. See Latent Lab and Meshup.

Container Space LLC

Founder, Spring 2022 - Present

Created freelance technology studio, specializing in developing generative AI models and fullstack web systems.

Vianai

AI Optimization Intern, Summer 2022

Developed compression algorithm for startup's proprietary AI optimization. Reduced model size by up to 97%.

AT&T

Software Intern, Summer 2021

Reduced memory footprint of user authentication microservice by over 95%. Used GoLang and passed rigorous pipeline testing.

Poetic Justice Group, MIT Media Lab

Researcher, Summer 2020

Curated and implemented fullstack web broadcasting system of over 500 songs.

Social Machines, MIT Media Lab

Researcher, January 2020

Conducted NLP research to predict most important events of personal stories.

SELECTED PROJECTS

Latent Lab - MIT Media Lab, Spring 2022

3D exploration interface and research idea generation tool using a machine learning model trained on MIT Media Lab projects.

Meshup - MIT Media Lab, Fall 2021

Collaborative, accelerated idea generation tool using a GAN trained on images of cars.

Altruistic Botnet - MIT Class, Spring 2022

Botnet to artificially inflate web traffic around climate change news to influence publications to cover more climate topics.

trudy.tube - Personal, Winter 2021

Archive of every single song I've listened to, charted by time of day.

BPM Explorer - Personal, Winter 2021

Spotify playlist builder for songs with compatible BPM, made as a tool for students in an MIT DJ class.

Chrome Social - Personal, Fall 2021

Passive social media for friends to hang out in new web browser tabs.

SKILLS

Languages: Python, Typescript, Javascript, HTML, CSS, SQL, GoLang, C++

Development: React, Next.js, Flask, Express, Heroku, Google Cloud Platform, Docker, numpy, PyTorch, sklearn