

Daniel Schenk

Personal Website: danschenk.com

Github: github.com/schenkdaniel

Email: schenkd@umich.edu

Mobile: +1-313-713-1802

EDUCATION

• University of Michigan

Ann Arbor, MI

Bachelor of Science in Computer Science - GPA: 3.175

July 2020 - Present

Courses: *Data Structures and Algorithms**, *Discrete Mathematics*, *Foundations of Computer Science**, *Statistics & Data Analysis*, *Physics (Mechanics)*, *Calculus 1 & 2*

RELEVANT EXPERIENCE

Simulation Players (simulationplayers.io)

Remote

• Lead Software Developer (Contract)

October 2021 - Present

- Working as the lead software developer, for the Instagram artist @Leollii, on his NFT collection.
- Created a website (simulationplayers.io) using **Next.js** and **Tailwind CSS**.
- Created an **Ethereum Smart Contract** on **Ethereum Mainnet** using **Solana** for the NFT collection.
- Created a **Minting Dapp** on the website utilizing the **Opensea.io api** and **JavaScript** to allow users to mint NFT's in the collection.
- Created a **randomized NFT generator (JavaScript)** to randomly generate 5,000 NFT images and metadata based on layers of artwork given to me by the artist @Leollii.

iD Tech (idtech.com)

Remote

• Online Instructor (Part-time)

June 2021 - August 2021

- Worked as an online instructor gaining leadership experience while teaching two programming courses per week to **5-7 students** per class.
- Introduced many topics in computer science and helped students complete 3-4 projects.
- Classes: **coding applications and game design with C++** and **machine learning/artificial intelligence with Python**.

PROJECTS

Piazza Post Classifier

- An application created with C++ that learns to classify 1000+ piazza posts with certain labels using machine learning through Bayes' Rule and binary search trees.

Image Processing: Seam Carving Algorithm

- A C++ application that utilizes the seam carving algorithm to intelligently resize images to desired height and width.

Office Hours Queue Website

- A small web server for an office hours queue, this C++ application utilized linked lists.

SKILLS

- Languages:** C/C++, Python, JavaScript, MATLAB, RStudio
- Frameworks:** React.js, Next.js
- Platforms:** Windows, Linux, Raspberry Pi, Arduino IDE

INVOLVEMENT

Michigan Neuroprosthetics (umneuroprosthetics.org)

September 2021 - Present

- Programming Arduino Pro Mini 328 to control a prosthetic arm through various methods/modes.