

# Daniel Schenk

Personal Website: [danschenk.com](https://danschenk.com)

Github: [github.com/schenkdaniel](https://github.com/schenkdaniel)

Email: [schenkd@umich.edu](mailto: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](https://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](https://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](https://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](https://umneuroprosthetics.org))

*September 2021 - Present*

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