Daniel Schenk

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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 **Solidity** 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.