

# Daniel Schenk

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## EDUCATION

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- **University of Michigan**

*Ann Arbor, MI*

Bachelor of Science in Computer Science - GPA: 3.28

*July 2020 - Present*

**Courses:** *Data Structures and Algorithms, Computer Organization, Discrete Mathematics, Foundations of Computer Science, Statistics & Data Analysis*

## RELEVANT EXPERIENCE

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- **Shibumi** ([shibumi.com](https://shibumi.com))

*Royal Oak, MI*

- *Software Engineering Intern (Full-time)*

*May 2022 - August 2022*

- Worked full-time in person as a software engineering intern at Shibumi.
- Completely **rewrote and optimized an entire microservice**, changed from **Java & Node.js** to **Node.js and typescript**. This was done to **increase speed of service and decrease memory usage**, also to make the code more readable. Tools used: nest.js, node.js, typescript, and redis.
- Created a **full-stack application** to allow companies to set up SSO service using a simple UI, implemented from front to back-end. Tools used: React.js, CSS, Java, AWS, Redis, Typescript.
- **Other Tools:** Jenkins, Kubernetes, Docker, SQL, jest.js and AWS.

- **Simulation Players** ([simulationplayers.io](https://simulationplayers.io))

*Remote*

- *Lead Software Developer (Contract)*

*October 2021 - February 2022*

- Working as the lead software developer, for the Instagram artist [@Leollii](https://www.instagram.com/leollii), on his NFT collection. Created a website, a **minting dapp** website, an **Ethereum smart contract**, and a **randomized NFT generator** to generate thousands of NFT's from given image layers and rarities.
- Next.js, Tailwind CSS, Opensea.io api, JavaScript, Solidity.

- **iD Tech** ([idtech.com](https://idtech.com)) *C++ & Python Online Instructor (Part-time)*

*Remote, June 2021 - August 2021*

## PROJECTS

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- **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

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- **Languages:** C/C++, Python, JavaScript, MATLAB, RStudio, SQL, TypeScript, Java
- **Frameworks/Libraries:** React.js, Next.js, Node.js
- **Tools:** Git version control, Docker, Jenkins, AWS, Redis
- **Platforms:** Windows, Linux, MacOS

## INVOLVEMENT

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- **Michigan Neuroprosthetics** ([umneuroprosthetics.org](https://umneuroprosthetics.org))

*September 2021 - Present*

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