

Daniel Miller

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Education:

Rensselaer Polytechnic Institute (RPI), Troy, NY May 2026
Bachelor of Science in Computer Science and Economics

Lake Forest High School, Lake Forest, IL June 2022

Programming Languages: Javascript, Typescript, C/C++, Java, Python, SQL, bash, HTML/CSS, Sass

Libraries/Frameworks: React.js, Angular, TailwindCSS, Next.js, Node.js, Express.js, tRPC, Prisma, styled-components

Design: Figma, Affinity Designer, Adobe Premiere Pro

Other: Docker, NixOS, Firebase, Git, Algolia, Jira, Agile, OpenCV, Linux, Postgres

Human Languages: English (native), French (certified B2/upper intermediate), Ukrainian (conversational), Spanish (beginner)

Work Experience:

Zedbruh LLC, Troy, NY - CEO Oct 2023 - Present

- Co-founder at a startup developing a modular, open-source router for upgradeable and hackable home networking.

Global Foundries, Malta, NY - CFM Process Engineering Intern May 2023 - Aug 2023

- Designed and built a full-stack application to enable data management and configurability for wafer quality metrics.
- React.js, Next.js, Python, tRPC, Postgres, Docker, Prisma, SQL, Linux, Typescript, Tailwind

UncommonX, Chicago, IL - Software Developer Intern Jul 2021 - Aug 2022

- Angular, Typescript, PrimeNG, Docker, Python, bash, Linux

Sachs Recreation Center, Deerfield, IL - Fitness Desk Attendant Aug 2018 - Jan 2020

Projects/Activities:

[Self-Managed Server Environment \(NixOS + Docker\)](#) - Independent Jan 2019 - Present

- Administer a range of self-hosted services through industry-standard platforms

[Rookery](#) - github.com/syntheit/rookery - Rensselaer Center for Open Source (RCOS) Jan 2024 - Present

- Rookery combines automated check-ins, real-time game updates, and player profiles to streamline chess tournament management for players and organizers

[ColorGuessr](#) - www.colorguessr.matv.io - Independent Nov 2022

- Developed an interactive game for color recognition, enabling users to guess screen colors using RGB or hex values, featuring both play and practice modes.
- React.js, Typescript, Next.js, Tailwind

[wordsbydaniel.xyz](#) - Independent Sept 2023 - Present

- Writing on a range of subjects including travel, economics, Linux, and programming

RPI Chess Club - President Sep 2023 - Present

Foreign Language Club - Vice President Feb 2024 - Present

Rensselaer Economics Club - Treasurer Feb 2024 - Present