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: Typescript, Javascript, C/C++, Java, Python, SQL, bash/shell, HTML/CSS
Libraries/Frameworks: React.js, Angular, Tailwind, Next.js, Node.js, Express.js, tRPC, Prisma
Design: Figma, Adobe Lightroom, Affinity Designer, Adobe Premiere Pro
Other: Docker, NixOS, Firebase, Git, Algolia, Jira, Agile, OpenCV, Linux, Postgres
Human Languages: English (native), Spanish (intermediate), French (certified B2/upper intermediate), Ukrainian (conversational)

Work Experience:

Rensselaer Union - Troy, NY - Full-stack developer   Jul '24 - Mar '25
- Enhanced software widely used by Rensselaer clubs and staff. Contributed valuable input on feature development and user communication.

Global Foundries, Malta, NY - CFM Process Engineering Intern   May '23 - Aug '23 & Jun '24 - Aug '24
- Designed, built, and deployed 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 - **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

RPI Chess Club - President   Sep 2023 - Dec 2024
Foreign Language Club - President   Feb 2024 - Dec 2024
Rensselaer Economics Club - Treasurer   Feb 2024 - Dec 2024
RPI Photo Club - Treasurer   Mar 2024 - Dec 2024