

Matthew Prock

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EDUCATION

University of Michigan

Bachelors of Science in Computer Science and Cognitive Science; minor in Art and Design

Ann Arbor, MI

Expected May 2026

GPA: 3.75/4.00

Residential College— *living+learning community emphasizing the arts and humanities, an intensive foreign language program, and fostering tight-knit community within a large university*

Relevant Coursework: Discrete Math, Data Structures & Algorithms, Statistics & Data Analysis

WORK EXPERIENCE

Michigan Daily

Ann Arbor, MI

Nightly Lead Illustrator

May 2024 – present

Illustrator

May 2023 – present

- Designs and creates digital illustrations to accompany stories corresponding to requests from article writers, to enrich the stories for readers and increase visual engagements with the text
- Completes all assigned illustrations within 24 hours of receiving requests, balancing delivering illustrations according to production deadlines while still producing high-quality design work
- *Nightly lead* illustrators manage higher illustration workload and contribute to more collaborative, thematic design projects

Dollinger Family Farm

Channahon, IL

Hayride Storyteller

Jun 2019 – Sep 2019

- Directed collaborative storytelling on hayrides in up to groups of three to develop coworkers' public speaking, memorization, and teamwork skills
- Focused on flexibility and adaptivity of speech techniques according to audience feedback in order to consistently produce an engaging and entertaining experience for patrons

RESEARCH EXPERIENCE

Hazel

Ann Arbor, MI

Researcher at FPLab

May 2024 – Present

- Contributed to programming language research through Hazel, a live functional programming environment that can “understand, manipulate, and even run incomplete programs, i.e. programs with holes.”

“Social media influencers and self-employment in the U.S.”

Ann Arbor, MI

Research Assistant

Feb 2024 – present

- project assesses impact of social media influencers' content on viewers' journeys in self-directed work, through interviews and social media posts, to explore how user-generated content shapes users' self-perceptions and perspective on owning a business
- gathers social media content for analysis, assists in conducting interviews and writing survey questions, and critically analyzes survey and interview responses, to prepare to eventually write and publish research conclusions

PROGRAMMING PROJECTS

Portfolio Website

July 2024

- Self-designed static webpage (HTML, CSS, JavaScript) containing portfolios (both programming & illustration), work experience

Data Structures & Algorithms Projects (C++)

January 2024- May 2024

- Course projects explored breadth and depth-first searches, database management using hashing, implementing priority queues with pairing heap and binary heap, emulating STL code such as `std::string`, `union find` and `path compression`
- Received 100% on all projects, which are graded by accuracy of program output and efficient management of speed and memory

SKILLS

Technical: Programming in C++, Git & managing programming workflow

Languages: Fluent in English; conversational and written proficiency in Spanish

AWARDS

- DISCO Digital Accessibility Anthology: artwork submission accepted winter 2024
- James B. Angell Scholar at University of Michigan, awarded winter 2023-present
- University Honors at University of Michigan, awarded fall 2022-present
- Spanish Honors Society, awarded 2018-2022
- Illinois State Scholar and President's Education Awards, awarded 2016-2022
- AP Scholar, awarded 2018-2022
- Scholastic Art & Writing: Gold Key, national silver medal: 2021; Silver Key, honorable mention: 2022