

Matthew Prock

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EDUCATION

University of Michigan

Ann Arbor, MI

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

Expected May 2026

GPA: 3.68/4.00

Residential College— *learning community emphasizing arts & humanities, intensive foreign language program, tight-knit community within large university*

Relevant Coursework: Intro to AI, Web Systems, CS Foundations, Data Structures & Algorithms, Statistics & Data Analysis

WORK EXPERIENCE

The Michigan Daily

Ann Arbor, MI

Web Developer

Feb 2025 – Present

- Designs and develops page layouts for site's special editions in collaboration with other newspaper sections to increase site engagement and add visual interest to news stories and creative themed projects

Illustrator

May 2023 – Present

- Creates self-designed digital illustrations to accompany stories corresponding to article writers' requests to enrich stories for readers and increase visual engagement with article text
- Completes designs within 24 hours of receiving requests, balancing delivering illustrations for production deadlines while still producing high-quality design work

RESEARCH EXPERIENCE

The University of Michigan

Ann Arbor, MI

"Outsourcing emotional labor to A.I." – Human-Computer Interaction research at Social Computing Lab

Research Assistant

June 2025 – Present

- Leads interviews & analyzes response data for qualitative study on how users apply AI for meaning-making in daily life through the lens of divination practices and tarot
- Develops methodology for quantitative study aspect; builds web app providing users tarot cards & integrated AI interpretations

"Social media influencers and self-employment in the U.S." – Human-Computer Interaction research at [STEP Lab](#)

Research Assistant

Feb 2024 – June 2025

- Conducted research on impact of social media tools and influencer content on viewers' self employment journeys and perspectives
- Curated social media content for analysis, lead interviews, analyzed data and interview responses, wrote and revised sections of paper, assisted in the paper submission process

Hazel – Programming language research at FPLab

Research Assistant

May 2024 – Sep 2024

- Assisted in research towards improving [Hazel](#), a live functional programming environment which "understands, manipulates, and even runs incomplete programs, i.e. programs with holes."

PROJECT EXPERIENCE

Scalable Search Engine

Dec 2024

- Constructed inverted index containing thousands of web pages with Mapreduce pipeline utilizing tf-idf for information retrieval
- Built REST API app to return search results in JSON format & search server which displays interface for users to view results

Insta485

Oct 2024

- Developed client side dynamic Instagram clone with login/logout, post creation, likes, comments, and "explore" page functionality
- Implemented infinite scroll, liking posts by double-clicking, and automatic updates to likes and comments
- Built REST API for routing and rendering site pages

Portfolio Website

Aug 2024

- Designed and developed static website (HTML, CSS) showcasing programming projects, design portfolio, work experience

Snake Game

May 2024

- Built web-based Snake game with mechanics implemented in JavaScript

SKILLS

Programming Languages: C/C++, Python, HTML, CSS, SQL, JavaScript, TypeScript

Frameworks: React, Flask

Developer Tools: Git & managing programming workflow; Bash/shell scripting

Non-Technical: Fluent in English, conversational and written proficiency in Spanish; user interviews & user research

AWARDS

- James B. Angell Scholar at University of Michigan, awarded winter 2023-present
- University Honors at University of Michigan, awarded fall 2022-present
- Illinois State Scholar and President's Education Awards, awarded 2016-2022