

JOSHUA YODER

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EDUCATION

Rochester Institute of Technology · Rochester, NY
M.S. in Applied Statistics

Class of 2026

Rochester Institute of Technology · Rochester, NY
B.S. in Computer Science · Minor in Finance · Summa Cum Laude

3.82 GPA · *Class of 2024*

WORK EXPERIENCE

iClerk · AgBlox Inc.
Full Stack Software Engineer, System Architect, Contract

June 2022 - Present
Remote

- Design and implement scalable infrastructure for the iClerk application on AWS, utilizing Terraform and Kubernetes.
- Write and maintain automated tools for releasing new software and enhancing developer productivity.
- Create and optimize Postgres schema and self-hosted Supabase backend for the app.
- Work on various frontend UI/UX improvements using Remix / React frameworks. Assist in the development of Python Celery based ML processing pipelines for video, audio, and text documents.

DiviAI · AgBlox Inc.
Software Engineer, Contract

May 2020 - June 2022
Remote

- Wrote data scraping jobs and ETL for various agricultural commodities datasets.
- Built graph database to store and query interrelated financial datasets, with a specific focus on text entity recognition and record matching across SQL databases.
- Utilized domain specific knowledge in finance to consult on the purchasing of external financial datasets.

PROJECTS & VOLUNTEERING

Synapse · Miramis Technologies LLC

January 2023 - Present

- Implementing an AI based academic research tool utilizing the latest in NLP/LLM/AI technologies.
- Tool presents researchers with academic papers and articles relevant to their field, allowing them to traverse the citation graph of the papers.

Free Art Collective · Rochester, NY

February 2024 - Present

- Volunteer providing technical services including systems administration, database management, and web development.
- Provide audio services for events and affiliated bands, including live sound, studio recording, mixing, and mastering.

TECHNICAL SKILLS

Languages & Frameworks:
Databases:

Python, C, Go, Zig, SQL, Terraform, JavaScript, TypeScript, HTML, TailwindCSS
PostgreSQL, Redis, MySQL, SQLite, PostGIS, TimescaleDB, ElasticSearch,
AWS Neptune, DynamoDB

Tools:

Kubernetes, Supabase, AWS, Google Cloud, Azure, DigitalOcean, Git,
GitHub, GitHub Actions, VSCode, DataGrip, Markdown, L^AT_EX, Linux, Selenium,
Containers (Docker, containerd)

Skills:

Full-Stack Software Development, Statistics, Machine Learning, Data Collection,
DevOps, Finance (Derivatives, Commodities, Equities, Quantitative Analytics),
Information Retrieval, Audio Engineering, DJing