# Isaac Fisher

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## Education

**New York University**, New York, NY                                                                    May 2025
Bachelor of Arts, Major in Computer Science, Major in German, GPA: 3.76

## Technical Skills

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|---|---|
| **Coding Languages:** | TypeScript/JavaScript (Node.js, Express, React/React Native, Next.js), Python (Flask) |
| **Other Skills:** | AWS, Git, CI/CD, Agile Development, SQL (Postgres), HTML, CSS (Tailwind) |
| | MongoDB, Supabase, Cryptography, Docker, German (Goethe C1), GitHub Actions |

## Experience

**Founding Software Engineer,** *Synapse Social,* New York, NY                                   July 2025 - Present
- Brought mobile app startup to 100+ DAU and 1M+ in funding as third joining member
- Utilized vector embeddings and natural language processing techniques to develop and deploy a content recommendation scheme for serving research papers based on any query
- Managed database of 3M+ research papers and brought search times over the dataset from 8+ seconds to ~1.5
- Owned React Native mobile app features including user authentication, feed curation via embedding-driven pipelines with RAG and reranking, third-party integrations, social features, continuous content ingestion, and notifications
- Orchestrated CI/CD, cloud compute, and app deployment with Amazon Web Services and Expo Application Services

**Software Engineer Intern,** *Brandi AI,* Remote                                               May 2025 - July 2025
- Built an AI marketing product from the ground up with Next.js in a small, fast-paced team of experienced developers
- Maintained a Supabase(Postgres) database for authorization, user information, and data analytics
- Tailored GitHub Actions CI/CD workflows to automate and optimize testing and deployment
- Debugged and designed features independently in a large React codebase

**Desktop Support Assistant,** *NYU Libraries,* New York, NY                                September 2024 - Present
- Provided technical support to NYU students and faculty
- Communicated with other departments to ensure smooth operations within library ecosystem
- Deployed internal tools to display necessary maintenance information for support staff

**Lab Member,** *OSIRIS Cybersecurity Research Lab,* NYU                                      Dec 2024 – May 2025
- Competed in "Capture the Flag" (CTF) hacking competitions as part of a team ranked #6 in the United States and #46 globally per CTFTime, with specialty in the "cryptography" category

## Projects

**maps.munaalfadl.com**, Typescript(Next.js, Supabase): live                                    Commission, Fall 2025
- Built and deployed a Next.js web app as a work for a local artist using open-source mapping libraries
- Created an admin dashboard for app management and project curation
- Managed authentication, file storage, and data via Supabase

**TurtleByte**, Python: blog | github | PyPI                                              Personal Project, Summer 2025
- Built an emulated hard drive using Python's native "turtle" drawing module
- Rendered playable "Pong" application using the emulated hard drive to control game state
- Deployed finished module to PyPI package manager for easy install and use

**munaalfadl.com**, HTML(Jekyll), CSS(SASS), JavaScript: live | github                         Commission, Spring 2025
- Designed and deployed a custom website for a local artist with a focus on attractive and simple aesthetics
- Coordinated with the client to facilitate intuitive post creation and continuous site updates

**Flexicon**, Java (Spring Boot), PostgreSQL, React.js, Python: portfolio | github            Personal Project, Summer 2024
- Designed an effective React.js webpage for language learners to generate and download custom flashcard sets
- Parsed 5000+ articles to fill a Postgres database with over 50 million data points on word frequency and correlation
- Developed a Spring Boot REST API and relevant service applications to manage data and process user requests
- Fine-tuned queries to decrease wait times during card set generation by 95%