

# Isaac Fisher

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## Education

**New York University**, New York, NY

Expected May 2025

Bachelor of Arts, Major in Computer Science, Major in German, GPA: 3.74

*Relevant Coursework: Software Engineering, Agile Development, Applied Internet Technologies (AIT), Cybersecurity, Cryptography, Algorithms, Operating Systems, Data Structures*

## Technical Skills

**Coding Languages:**

Java (Spring Boot, Maven), Javascript (Node.js, Express, React), Python (Flask), C

**Other Skills:**

Agile (Scrum) Development, Git, GitHub Actions, CI/CD, SQL, PostgreSQL, Vulnerability Management, Cryptography, AI, Docker, German (Goethe C1)

## Experience

**Lab Member, OSIRIS Cybersecurity Research Lab**, NYU

Dec 2025 - Present

- Compete in “Capture the Flag” (CTF) hacking competitions as part of a team ranked #3 in the United States and #40 globally per CTFTIME
- Work with graduate students in researching, maintaining lab infrastructure, and developing related tooling
- Participate in seminars, community outreach, and other cybersecurity-related instructional events

**Desktop Support Assistant, NYU Libraries**, New York, NY

September 2024 - Present

- Provide technical support to NYU students and faculty
- Communicate with other departments to ensure smooth operations within library ecosystem
- Implement and design internal tools to display necessary maintenance information

**Software Developer for AI Training, Outlier AI**, Contract, Remote

May 2024 - July 2024

- Provided feedback to improve code response quality on a globally known Large Language Model (LLM)
- Ranked AI-generated code along specific guidelines such as correctness, applicability, and clarity
- Wrote tests for edge cases of LLM code responses and reported inaccuracies

**Field Deployment Technician, GDC IT Solutions**, Contract, Harrisburg, PA

May 2023 - June 2023

- Deployed more than 500 laptop and 100 desktop PCs in Commonwealth Charter Academy satellite locations
- Collaborated with resident teachers and staff to ensure successful data transferring and device onboarding

## Projects

**Palettemate**, Javascript (Node.js/Express), PostgreSQL

AIT Final, Fall 2024

- Gathered 6000+ data points of product information for paints across brands and product lines
- Optimized Postgres queries and Express API to handle 100+ requests per second
- Implemented proper security protocols to facilitate secure user login

**Flexicon**, Java (Spring Boot), PostgreSQL, React.js, Python

Independent, 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%

**isaac-fisher.com**, HTML/CSS/JS

Independent, Summer 2024

- Created a custom website with raw HTML/CSS/JS to practice advanced web design concepts
- Maintained a blog with occasional programming/cybersecurity related posts and essays

**Dictionfairy**, Python

Independent, Summer 2024

- Engineered custom Selenium webscraping module to access dictionary results in-app with a single click
- Leveraged Qt desktop app design philosophy to deliver a pragmatic user experience
- Maintained 3 interface languages and corresponding dictionary sources