CAITLIN ASH

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

PROFESSIONAL SUMMARY

Computer Science master's student seeking Summer 2026 Software Engineering internship specializing in backend systems and infrastructure. Currently building a distributed client-server system in Java and backend services with DevOps tooling in Go. Experience with Docker, CI/CD pipelines, and full-stack development.

EDUCATION

DePaul University Chicago - Chicago, IL
Master of Science in Computer Science (In Progress) | Expected: Summer 2027
Relevant Coursework: Distributed Systems, Data Structures & Algorithms, Computer Systems, Concepts of Programming Languages

Washington University St. Louis - St. Louis, MO
Certificate in Full Stack Web Development | June 2023 - December 2024

Loyola University Chicago - Chicago, IL
Bachelor of Science in Psychology | August 2019 - May 2023 | *Dean's List*

TECHNICAL SKILLS

Languages: Java, Go, JavaScript
Backend: Node.js, Express, REST APIs
DevOps & Tools: Docker, Git, GitHub Actions, Linux, Maven
Databases: PostgreSQL, MySQL
Cloud & Deployment: Vercel, Heroku
Testing: JUnit, Jest
Frameworks: React.js, Next.js, TailwindCSS

PROJECTS

Distributed File Retrieval Engine | Java, Multi-threading, Socket Programming | [GitHub](#)

- Architected client-server system supporting concurrent document indexing and search across distributed clients
- Implemented dispatcher-worker thread pool pattern handling multiple simultaneous client connections
- Engineered thread-safe inverted index with synchronization primitives for concurrent operations
- Achieved 22.45 MB/s indexing throughput across 2.25 GB document corpus using parallel multiclient architecture

The Tech Blog | JavaScript, Node.js, Docker, CI/CD | [GitHub](#) | [Live Demo](#)

- Built full-stack blogging platform with user authentication, post creation, and commenting features
- Implemented CI/CD pipeline with GitHub Actions for automated testing and continuous Heroku deployment
- Containerized application with Docker for consistent development and deployment environments
- Designed RESTful API following MVC architecture with Sequelize ORM and MySQL database