

# Dylan Dodds

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Authorized to work in the U.S. without sponsorship

## EDUCATION

### New York University

New York, New York

*B.A in Computer Science, Minor in Business — 3.64 GPA*

*Aug. 2023 – Expected May 2027*

**Relevant Coursework:** Distributed Systems (A), Algorithmic Problem Solving (A-)

**Honors:** 2024 Liberal Studies Dean's Circle Honors Seminar, 2023-2024 Liberal Studies Deans List

## TECHNICAL SKILLS

**Languages:** Python, JavaScript/TypeScript, SQL, Go, Java, C++

**Backend:** FastAPI, Node.js, Express, REST APIs, pytest, JUnit

**Databases:** PostgreSQL, MySQL, Redis, MongoDB

**Infrastructure:** Docker, OpenTelemetry, Kubernetes, Prometheus, CI/CD, Linux, AWS/GCP, Git

## EXPERIENCE

### Software Engineering Intern

*Crossroads AI*

*Alexandria, VA*

#### Intern – Backend Platform

Jun. 2026 – Present

- Refactored a production LLM document-parsing engine by breaking up modules exceeding 2,000 lines and decoupling parser services from orchestration logic, improving code organization and maintainability.
- Set up the team's engineering workflow end-to-end: self-hosted Gitea, protected main branch, PR-only review process, issue and PR templates, and required CI checks.

#### Intern – Applied AI/ML

May 2025 – Oct. 2025

- Shipped an on-prem RAG platform to production as sole engineer (Python, Qdrant, Ollama, Docker).
- Built a document ingestion pipeline indexing 80+ GB of VDR docs; increased parse success from ~65% to ~90%; added Langfuse observability, automated testing and required CI checks.

### Software Engineering Intern

Jun. 2024 – Aug. 2024

*Han's Laser*

*Shenzhen, China*

- Developed Qt/C++ operator GUIs and multithreaded motor-driver control modules; refactored legacy code to improve reliability.
- Debugged TCP/UDP artifact transfer to GitLab; improved artifact throughput by ~20% while reducing transfer failures.

### M&A Analyst Intern

Jun. 2023 – Aug. 2023

*Crossroads Capital*

*Alexandria, VA*

- Researched a \$1.6B corporate restructuring & financing in China; synthesized market and company analyses.

### Software Engineering Intern

Jun. 2022 – Aug. 2022

*Global Pal*

*New York, NY*

- Built a Google Maps module via the Google Maps API (Python client).
- Collaborated with cross-functional teams across business and engineering.

## SELECTED PROJECTS

### uselimit | *Typescript, Redis, PostgreSQL, OpenTelemetry*

Apr. 2026 – Present

- Built a lightweight metering and quota-enforcement layer for AI/API applications.
- Implemented credit burn-down, usage limits, and abuse and cost controls.

### OpenTelemetry Collector Open Source Contributor | *Go, mdatagen, featuregate*

Jun. 2026 – Present

- Implemented stability-level resource-attribute metadata to the mdatagen code generator and fixed ToVersion API documentation across two merged pull requests (#15371, #15457).

## SPOKEN LANGUAGES

English (Native), Japanese (Native), Mandarin (Conversational), Portuguese (Basic), Russian (Basic)