

# MATTHEW CONNEALY

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## EDUCATION

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**University of Missouri - GPA: 3.73/4.0**

Bachelor of Science, Computer Science

**May 2021**

## Work Experience

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### Fidelity Investments

Senior Software Engineer

**January 2026 - Present**

Software Engineer

**July 2023 - January 2026**

Associate Software Engineer

**January 2022 - July 2023**

- Experience building and deploying Java/Spring Boot microservices powering real-time fraud risk assessment with ownership of the entire development lifecycle including development, testing, deployment through CI/CD (Jenkins) and observability (Datadog).
- Currently working on and maintaining an integration platform connecting internal teams and data sources with a third-party fraud risk assessment provider via REST API
- Collaborate cross-functionally with Fidelity product and business unit stakeholders to scope requirements across many different money movements including wires, ach, crypto transfer, check deposits
- Led CI/CD pipeline development for our new operational data store, owning infrastructure design and deployment automation

## Projects

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**StockTalk** — <https://github.com/mccdqw/youtube-chatbot>, <https://github.com/mccdqw/youtube-video-processor>

- Semantic search platform integrating YouTube Data API, transcription pipelines, and vector embeddings to surface financial discussions across creator content
- Built in order to better track who says what in regards to financial markets as well as quickly gather sentiment and find trends across financial YouTube

**Stock Valuation App** — <https://github.com/mccdqw/stock-valuation-engine>

- Full-stack financial tool (Flask + React) that integrates with financial data APIs to power discounted cash flow (DCF) analysis and intrinsic value modeling for individual stocks
- Provide an easier way to get a quick valuation with custom inputs as well as a more robust calculation through monte carlo simulations

## Additional Information

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### Skills

- Java, Spring Boot, Python, NodeJS, React, REST APIs, Docker, Jenkins, AWS, Datadog

### Accomplishments

- NCAA swimming student athlete, multiple SEC finalist