# Kory Fitzgerald

Software Engineer

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As an enthusiastic and innovative equity trader-turned-full-stack software engineer, I am passionate about building highly scalable, low-latency solutions. I bring remarkable problem-solving, work ethic, and drive to any team.

## EDUCATION

**University of Pennsylvania** | College of Arts and Sciences | BA, Economics | Philadelphia, PA | 2015 - 2019
- Activities: Computer Science Society, Division 1 Track and Field, Sigma Chi Fraternity Treasurer

**Full-Stack Software Engineering Immersive** | **General Assembly** | New York, NY | March 2023 – June 2023

**Software Engineering Immersive Program** | **Codesmith** | New York, NY | November 2022 – January 2023

**Full-Stack Software Engineering Immersive** | **App Academy** | New York, NY | July 2022 – October 2022

## SKILLS

- **Languages & Frameworks:** Java, Python, JavaScript, Ruby, Django, React.js, Express.js, Node.js, Next.js, Vite.js, Vue.js, npm, Mongoose.js, JQuery, SQL, HTML, CSS
- **Databases:** MongoDB, PostgreSQL, SQLite
- **Tools:** Azure, AWS, RESTful APIs, JWT.io, OAuth, Docker, MongoDBCompass, Git, Sequelize.js, Bash

## TRAINING AND PROFESSIONAL EXPERIENCE

### PROJECTS
- LendAFriend (In Progress): PERN-Stack Application [GitHub Repository](#)
  - Allows users to effortlessly receive funds lent to others, surpassing conventional methods

**Quantitative Trader** | **Alphachain Traders** | Remote | September 2023 – Present
- Use Python to develop trading models built through statistical analysis on large sets of data
- Received a Certificate for Continuing Professional Development in algorithmic trading

**Full-Stack Software Engineering Apprentice** | **General Assembly** | New York, NY | June 2023 – Present
- Completed 420+ hours of training in full-stack web development and hands-on learning of coding fundamentals such as JavaScript, Python, MongoDB, Express.js, React.js, and Node.js

### PROJECTS
- Yikyak: Back-End MEN-Stack Application  [GitHub Repository](#) | [Deployed Link](#)
- StyleSwipe:  Back-End and Front-End MERN-Stack Application [GitHub Repository](#) | [Deployed Link](#)
- PuppyCollector: Back-End PERN-Stack Django Application [GitHub Repository](#) | [Deployed Link](#)
- ChristmasShip: Built with JavaScript, HTML, and CSS [GitHub Repository](#) | [Deployed Link](#)

**Software Engineering Immersive** | **Codesmith** | New York, NY | November 2022 – January 2023
- Mastered high-level JavaScript programming, focusing on topics such as recursion, object-oriented programming, closure, callbacks, and asynchronous JavaScript

**Software Engineering Immersive** | **App Academy** | New York, NY | July 2022 – October 2022
- Gained hands-on experience in full-stack development, agile methodologies, and relevant industry technologies such as Javascript, Ruby, PostgreSQL, Rails, HTML, and CSS

### PROJECTS
- Knights Travails:  Back-End Ruby on Rails Application [GitHub Repository](#)
- Chess  (In Progress): Back-End Ruby on Rails Application [GitHub Repository](#)

**Equity Trader** | **Trillium Trading** | New York, NY | September 2019 – May 2022
- Enhanced trading strategies by building a Python-based website scraper
- Increased equity book value from $200,000 to $2,000,000 through consistent positive trading performance

**Analyst** | **Royal Bank of Canada** | New York, NY | June 2018 – Aug 2018
- Created a robust model to estimate High-Yield Bonds' volatility using Visual Basic for Applications