

# Ignas Panavas

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## EDUCATION

**The University of Georgia**, Athens, GA August 2023 – Expected May 2027

- **Majors:** Bachelor of Business Administration in Finance, Bachelor of Science in Computer Science
- **GPA:** 3.88/4.00
- **Honors:** Full Presidential Waiver (1 of 75 Freshmen)

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## PROFESSIONAL EXPERIENCE

**DeRisk.io**, *Software Engineering/Commodity Hedging Intern*, Vilnius, Lithuania May 2024 - August 2024

- Developed web scraping tools to extract real-time commodity data from various websites, enhancing the platform's capability to provide up-to-date hedging solutions to users.
- Engineered the company's API infrastructure for client connectivity to Saxo Bank, implementing advanced authentication mechanisms to ensure secure data transmission.
- Compiled a detailed analysis report on profit and loss for a client's steel hedge, incorporating FX conversion factors, which assisted the client in understanding market impacts on investment strategies.

**DevDawgs Coding Club**, *Focus Lead*, Athens, GA August 2024 – Present

- Led the backend development for a full-stack application aimed at improving the class scheduling system, overseeing API creation and service functionality in a microservice architecture using Spring Boot and Spring Web.
- Utilized JPA and custom queries to interact with a MySQL database, ensuring efficient retrieval and manipulation of course data for real-time scheduling functionality.
- Managed the integration of web scraping techniques to dynamically update course data, transforming unstructured data into a format suitable for database storage and service consumption.

**L&M Capital Partners**, *Trading Intern*, Ridgefield, CT January 2023 - July 2023

- Shadowed an experienced trader, gaining insights into the trading floor dynamics and decision-making processes by observing daily operations
- Independently conducted stock analysis leveraging both news and technical analysis to identify actionable trading opportunities, successfully trading personal funds based on derived insights
- Enhanced understanding of market movements and trading strategies through practical exposure, contributing to profitable personal trading outcomes during the internship

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## PROJECT EXPERIENCE

**Stock Trading Journal**, Python Cloud Application

- Developed a Python backend to scrape and organize trades from Schwab, categorizing them by opening/closing status and calculating key trade statistics.
- Deployed the application on AWS EC2 with Docker, utilizing CloudWatch for real-time monitoring and error logging, ensuring system reliability and scalability.
- Configured AWS Route 53 for domain management and integrated PostgreSQL for secure trade data storage, automating the scraping process using Selenium and Requests.

**Habit Chain App**, Interactive and Visual iOS App

- Built the habit chain app using SwiftUI for a modern, responsive user interface and Combine to handle real-time data flow between habit tracking and user actions.
- Utilized CoreData for efficient offline data persistence and UserNotifications for personalized habit reminders to keep users on track with their goals.
- Integrated SwiftCharts to create visual progress indicators, allowing users to track habit completion rates and performance over time.

**Quantitative Market Analysis**, Python Application with key 3D Visualizations

- Developed key options pricing models, including Black-Scholes and Binomial Tree, to calculate theoretical option prices and analyze mispricing opportunities in the market.
- Built and visualized a volatility surface using implied volatility data across multiple strike prices and expiration dates, enabling insights into market sentiment and volatility skew.
- Analyzed dealer gamma positioning to predict supportive versus non-supportive flows, providing insights into how dealer hedging activities amplify or dampen volatility during key market moves.

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## SKILLS & INTERESTS

- **Programming Languages:** Proficient (Java, Python, SQL, C, Swift), Familiar (JavaScript,
- **Frameworks/Tools:** AWS, Docker, Postgres, MySQL, Git, Maven, NodeJs
- **Interests:** Trading, Basketball, Reading, Painting, Travelling