

Joseph F. Ghanimah

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SUMMARY

Exceptionally adaptable Computer Engineering major currently attending the University of Illinois at Urbana-Champaign with minors in Mathematical Statistics and Data Science. Strong critical and lateral thinking skills with 3+ years of relevant experience with full-stack application development and predictive analytics.

EDUCATION

University of Illinois at Urbana-Champaign

Urbana-Champaign, IL

Bachelor of Science, Computer Engineering

December 2022

- **Minors:** Mathematical Statistics, Data Science
- **Awards & Honors:** President's Award Program Honors Student, College of Engineering James Scholar
- **Activities:** Illini Esports Manager & Headcoach, Association for Quantitative Trading Education

EXPERIENCE

Old Mission Capital L.L.C.

Chicago, IL

Quantitative Trading Intern

May 2021 - August 2021

- Analyzed profitability for new sources of order flow in brand-new client-facing business model
- Delivered written and verbal reports throughout internship of various analysis findings and conclusions directly to Traders and CEO
- Developed a tool that would take large groups of ETF tickers and return detailed analysis reports for new hires using Python, Numpy, Pandas, and Matplotlib
- Completed basic in-house education courses touching on various financial concepts.

College CoD League

Remote

Full-Stack Software Engineer (www.collegecod.com)

June 2018 - March 2021

- Manage DigitalOcean Linux web server with Nginx and Unicorn
- Design, deploy, and maintain website, using Python (Django), JS, CSS, and HTML
- Identify problems uncovered by testing or customer feedback, and correct problems or refer problems to appropriate personnel for correction
- Develop a PostgreSQL database infrastructure that supports thousands of data entries to enable in-depth player stat tracking
- Document technical factors such as server load, bandwidth, database performance, and browser/device types
- Track SEO and web analytics to present with internal development and design teams

G3 Circuit L.L.C.

Urbana-Champaign, IL

Founder & Lead Developer

August 2018 - September 2019

- Lead a team of 20+, distributing company's limited resources to ensure the goal of expanding competitive play to a wider audience
- Organized 300+ competitors in various matches and tournaments for the league season
- Deployed a serverless web application on Google Cloud Platform (GCP) to manage teams and players using Python (Flask), MySQL, HTML, CSS, and JavaScript

ADDITIONAL SKILLS

- Project experience with machine learning, cloud computing, automation, and data visualization
- Proficient in Python (Django, Flask, TensorFlow, NumPy, Pandas, Matplotlib)
- Additional familiarity with C++, C#, SQL, Javascript, HTML, and CSS
- Collaborated in small and large team environments using applications like Trello, Slack, Github, and Discord
- Competent with video, photo, and audio editing tools