

FUAD HASSAN

+12679187382 | fuad.hassan0001@temple.edu | Philadelphia, PA | linkedin.com/in/fuadh246/ | fuadh246.github.io/

EDUCATION

Temple University

August 2021 - May 2025

Bachelor's, **Data Science** Concentration in Computational Analytics

PROFESSIONAL EXPERIENCE

Algorithmic Trading Research Lead

August 2024 - Present

Temple University

- Lead research on back-testing and performance evaluation of various algorithmic trading strategies
- Utilize advanced LLMs to automate analysis, enhancing the accuracy and efficiency of strategy evaluation
- Rank strategies based on key financial metrics and identify correlations and patterns between algorithms
- Develop methodologies that integrate machine learning with financial analysis to optimize trading strategies

Cloud Data Engineer Intern

May 2024 - August 2024

Comcast

- Managed over 300 weekly cloud-related queries by integrating them into a searchable vector database on AWS
- Improved efficiency by 30% by building a dashboard that tracked common issues and helped teams respond faster
- Enhanced a response RAG model's accuracy by 25% using over 100,000 data points to fine-tune its performance
- Provided data insights to executives, directly influencing a \$200K+ budget decision to improve client support strategies

Finance Data Automation and Analysis

July 2023 - Present

Temple Finance Department

- Automated scripts in Python to gather financial data from SEC.gov, ensuring accurate and up-to-date information for analysis
- Saved 99% of time in data collection by using web scraping tools to efficiently pull financial data from multiple sources
- Proto-typed and implemented staged Data models for ELT data pipeline for future use and portability Analytics Engineer

IS Technology Intern

May 2023 - August 2023

Children's Hospital of Philadelphia

- Resolved over 95% of hardware and software issues within 24 hours, ensuring smooth operations for users
- Provided exceptional service by documenting and resolving items with precision to achieve high satisfaction
- Acted as a key link between clients and the IT team, ensuring effective communication and timely issue escalation

Software Engineer

June 2022 - December 2022

Temple Human-Computer Interaction (HCI) Lab

- Contributed to research on a collaboration platform, designing data for workshops using online whiteboard template
- Customized the collaborative digital whiteboard's UI design using past studies feedback to improve productivity
- Developed creativity support tools using React.js and uploading and retrieving design data using Firebase

PROJECTS EXPERIENCE

GitGenius

July 2024 - July 2024

- Integrated LLM and RAG pipelines to automate code review processes, developed question-answers to assist users in understanding the code based on user queries, resulting in significant productivity gains

Global Insights Clustering

March 2024 - March 2024

- Engineered a model using analyze and categorize global insights for actionable data-driven decision-making

SOI (Schedule of Investments) Database

April 2024 - April 2024

- Implemented a database system including ERD, schema, SQL queries, and to efficiently import, process, standardize, BDC investment data from SEC filings, ensuring optimal performance, security

SKILLS

Programming Languages: Python, SQL, Java, JavaScript, C, HTML/CSS, React.js

Tools & Technologies: Git, Pytorch, Tensorflow, Linux/Unix, Data Analysis, Flask, Docker, DSA, AWS, Private cloud, Vector database, ELT, CI/CD, Machine learning, GenAI