

Hsiang Yu Huang (Anna)

Allston, MA | Tel: +1 617-319-5044 | huanganna1004@gmail.com | www.hsiangyuhuang.com | linkedin.com/in/hsiangyuhuang

EDUCATION

Boston University

Master of Science in Data Science | GPA: 3.59 / 4.0

Boston, MA

Dec. 2025

Relevant Courses: Deep Learning, Graduate Databases, Data Engineering, Time Series, Artificial Intelligence, Crypto

National Taiwan University of Science and Technology

BBA in Industrial Management and Bachelor Program of Finance, Minor in Computer Science | GPA: 3.85 / 4.3

Taipei, Taiwan

Jun. 2023

Relevant Courses: Algorithms, Machine Learning, Data Analytics, Statistics, Object-Oriented Programming

SKILLS

- **Languages & Frameworks:** Python, SQL, C++, TypeScript, JavaScript, Java, R, FastAPI, Next.js, Node.js, React, HTML/CSS
- **Cloud & DevOps:** AWS, Azure, PostgreSQL, MongoDB, Docker, Linux, Nginx, CI/CD, Git, Redis, Kafka, Web Socket
- **Data Engineering & Tools:** PySpark, ETL Pipeline Automation, SQL Database Design, Azure Synapse, PostHog, Power BI
- **AI Engineering & ML:** LangGraph, LangChain, MCP, PyTorch, TensorFlow, Scikit-Learn, Pandas, NumPy, NLP, Time Series

WORK EXPERIENCE

AI Engineer Intern

Boston, MA

Finz | Stack: FastAPI, Faust, Kafka, CI/CD, MongoDB, AWS(EC2), Stripe, QBO

Dec. 2025 – Present

- Refactored core calculation algorithms and **Faust streaming agents**, optimizing **backend logic** and managing **Kafka topic** configurations for accurate real-time data processing.
- Maintained **CI/CD pipelines** to automate frontend deploy workflows and executed backend server deployments on **AWS EC2** via **SSH**, ensuring seamless service updates and system stability.

Full Stack Developer – [Citale](http://citaleco.com) (citaleco.com)

Boston, MA

BU Spark! Launch Lab (Stipend) | Stack: Next.js, SQL, Supabase, Google Maps API, Vercel, PostHog

Sep. 2024 – May. 2025

- Designed **PostgreSQL schemas** with foreign keys for users, posts, and relationships, ensuring data integrity.
- Implemented **10+ features** including messaging, notifications, and user profiles using **Supabase** and **Next.js**.
- Managed **Vercel** deployments and **PostHog** analytics within **weekly Agile Sprints** to iterate features.

Research Assistant – [LLM Platform](#)

Boston, MA

BU BIT Lab (Unpaid) | Stack: FastAPI, MongoDB, LangGraph, Prompt Engineering, OpenRouter, MS Clarity

Sep. 2025 – Jan. 2026

- Architected a **RESTful API** using **FastAPI** to orchestrate a **LangGraph multi-agent system**, managing asynchronous communication between Coordinator, Writer, and Product agents.
- Designed a **MongoDB** schema to store complex conversation history and retrieval contexts, ensuring efficient data persistence for the multi-model console.

PROJECTS

More Projects are available here: hsiangyuhuang.com/projects

From Tweets to Trends – [Predicting Stock Volumes Using X Sentiment](#)

Boston, MA

Course: Big Data Engineering | Stack: Azure Functions (Python), ADLS Gen2, Rapid API

Feb. 2025 – May. 2025

- Leveraged **Azure Functions (Timer Trigger)** to establish **Cron-based automation** for the daily ingestion of social media streams from X (Twitter).
- Executed the **Extract & Transform (ETL)** process using **Python** to parse raw JSON data, converting unstructured logs into analysis-ready formats.

Winner – DS+X Hackathon 2025 (Best Overall, HackBU 1st)

Boston, MA

BU Spark! | Stack: Python, FastAPI, OpenAI API, OpenAlex API

Oct. 2025

- Engineered the backend for **RhettSearch**, an interactive research gamification platform driven by AI.
- Orchestrated a **RAG pipeline** that retrieves literature via **OpenAlex API** and synthesizes insights using **OpenAI API**.
- Designed structured **RESTful APIs** to parse complex JSON citation data, ensuring serialization for frontend integration.