

Hieu Bui

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Education

University of Houston, Houston, TX

Bachelor of Science, Computer Science

Expected: **December 2025**

- **Double Minor:** Business Administration and Math, **GPA:** 3.5
- **Coursework:** Data Structures(C++), Database Systems(SQL), Data Science(Python, R), Algorithms(Python)

Skills

Languages: C++, Python, HTML, CSS, Javascript, Assembly, SQL, R Studio, C#, Java

Developer Tools: Pycharm, Notepad++, Git/Github, Streamlit, React js, Tailwind, Tableau, MSSQL Server, PostgreSQL, Pinata API, TypeScript, Azure, PaaS, DevOps, Terraform, automation tools

Work Experience

University of Houston

Academic Support Assistant, Database Systems

August 2024 - Present

- Technologies: Python, SQL, PostgreSQL, MS Teams
- Reinforced database concepts such as ACID properties, indexing, and concurrency control for 115+ students
- Led weekly labs, conducted office hours, helped students with SQL queries, graded assignments and exams

University of Houston, Information Technology

IT Customer Service

May 2023 – August 2024

- Created/maintained 50 IT tickets per week that resolved customers' problems using Microsoft SharePoint.
- Optimized network performance by increasing bandwidth utilization by 25% by upgrading network hardware and implementing quality of service (QoS) protocols.
- Managing 100,000 accounts with confidential information using Oracle Peoplesoft and BMC Software.
- Enhanced network security by reducing unauthorized access incidents by 30% by implementing two-factor authentication (2FA) and regularly updating firewall rules.

Project Experience

onetimeimages | UT Dallas - HackUTD | Next.js, TypeScript, Vercel, Pinata Cloud

November 2024

- Developed a webapp for user to upload images to Pinata Cloud and can retrieve or delete it after.
- Processed and automated using Pinata API and database to store users' images and return a key ID to user.
- Utilized TypeScript with Next.js and Vercel for better rendering to support both front/back end and deploying the webapp.

Welfare for Workers | UT Austin - HackTX | Python, Streamlit, BotPress, MS Excel

October 2023

- Developed a website with 90 different psychiatrists nearby for construction workers using MS Excel.
- Utilized Streamlit with Python to implement a map functionality with city, doctor name, and specialties.
- Implemented a friendly user chatbox using BotPress that reads user input and automatically responds with a message to reduce response time to customer by 40%.

Leadership Experience

Code[Coogs]

Houston, Texas

Vice President External

January 2023 – May 2024

- Act as the organization's ambassador, secured and communicated with 2 different tech companies to secure sponsorship and hosted events for the members.
- Improved conflict resolution among team members by reducing internal conflicts by 40% by implementing regular team meetings and using collaboration tools like MS Teams and Trello.
- Planned and executed over 80 different events including workshops, social, and coding competitions for the community.
- Increased the number of paid members by 50% by utilizing different marketing and promoting strategies.