

Huy Nguyen

(832) 774-5092 | huyhnguyen2311@gmail.com | github.com/Huyyen1123

EDUCATION

University of Houston

Bachelor of Science in Computer Science

Expected: May 2028

GPA: 4.00/4.00

Relevant Coursework: Programming and Data Structures, Computer Organization & Architecture, Machine Learning, Discrete Mathematics

TECHNICAL SKILLS

Languages: C++, Python, SQL, JavaScript, HTML/CSS

Frameworks/Libraries: Flask, Django, Jinja2

Tools/Platforms: Git, SQLite, REST APIs, Claude

Concepts: Object-Oriented Programming, File I/O, Debugging, Relational Databases, Geolocation/Maps API Integration

EXPERIENCE

Web Developer | Python, Flask, Django

Houston, TX

Lone Star College

August 2025 – May 2026

- Built and deployed websites for multiple student clubs (**20–50** members each) using **Flask/Django**, self-hosting each on its own domain rather than running locally.
- Designed a relational database to persist member sign-ups and profile data in place of static pages.
- Implemented an event calendar and registration forms so members could track and sign up for events directly through the site.
- Maintained and updated the sites independently over a full school year as schedules changed.

Math Tutor

Houston, Tx

Lone Star College

October 2024 – May 2025

- Tutored a small group of students weekly in Calculus, Discrete Math, and intro level courses, working through homework and exam prep with step by step explanations.

PROJECTS

MacroFind | Python, Flask, SQLite, REST APIs

June 2026

- Built a web application that displays fast food menu items and lets users filter by macros (protein, calories, carbs), modeled after **DoorDash/Uber Eats**.
- Developed a **Flask** backend with a **SQLite** database of nutrition data compiled for **8** fast food chains.
- Integrated a geolocation feature that finds nearby restaurant locations and sorts results by distance.
- Implemented filter presets (high protein, low calorie, vegan) and a custom search by macro range.

Minecraft Inspired Portfolio | HTML, CSS, JavaScript

August 2026

- Built a Minecraft inspired personal portfolio website that recreates the feel of a game main menu while presenting my software projects, experience, and links in an interactive format.
- Developed the interface with **HTML**, **CSS**, and **JavaScript**, including a custom pixel style title, fullscreen animated background, menu positioning, hover effects, and navigation to About, Experience, Projects, GitHub, and LinkedIn.

Grade Calculator | C++

August 2024

- Built a grade calculator supporting weighted categories such as homework, tests, and finals, with input validation to prevent malformed entries from crashing the program.
- Structured the application across multiple .cpp and .h files and applied loops and functions to keep the code modular and easier to maintain.

ACTIVITIES

CougarCS & CodeCoogs

University of Houston

August 2024 – Present

- Participate in hackathons and technical workshops focused on software development and collaborate with peers on time constrained programming projects.