

Benjamin Truong

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Education

University of Houston

December 2023

Bachelors in Computer Science | Math Minor | GPA: 3.75

Skills

C++ | Python | MySQL | PHP | JavaScript | HTML | CSS | R | VSCode | Power BI | Excel

Work Experience

TRC Companies Digital Intern

May 2023 - August 2023

- Developed **Python** scripts to streamline and automate raw **Excel** data files into deliverable files.
- Utilized **PowerBI** to model raw data from **Excel** files.
- Assisted in data quality assurance processes by identifying anomalies, inconsistencies, and errors in raw **Excel** data, contributing to the maintenance of data integrity and accuracy.

Projects

Medical Clinic Database Web Application

- Developed a fully functional web-based medical clinic database application hosted on **Microsoft Azure**.
- Designed a user-friendly front-end interface using **JavaScript**, **HTML**, and **CSS**.
- Implemented the back-end functionality using **PHP** and **MySQL** to integrate various features such as appointment scheduling, payments, and modifying personal information.
- Collaborated with a team of developers to design, develop and share the project using **GitHub**.

Grocery Store Database Web Application

- Developed a fully functional web-based grocery store database application.
- Designed a user-friendly front-end interface using **JavaScript**, **HTML**, and **CSS**.
- Implemented the back-end functionality using **Python**, **Flask** and **MySQL** to integrate various features such as viewing schedules, picking items, and admin functionalities.
- Utilized **Microsoft Azure** to host the application and ensure high availability and scalability.

Personal Website

- Developed a personal website from scratch using **HTML**, **CSS**, and **JavaScript** to showcase skills, projects, and experiences.
- Designed and implemented a visually appealing and responsive user interface for the personal website using **HTML** and **CSS**, ensuring optimal user experience across various devices and screen sizes.
- Integrated dynamic and interactive features into the personal website using **JavaScript**, enhancing user engagement and providing a seamless browsing experience.

2048 Game

- Designed a 2048 game in **C++**, utilizing object-oriented programming principles and algorithmic thinking.
- Developed the game mechanics, including tile movement and merging, scoring, and game over conditions.
- Conducted testing and debugging to ensure optimal performance and eliminate bugs and errors.

Number Guessing Game

- Developed a number guessing game using **JavaScript**, **HTML**, and **CSS**.
- Utilized local storage to store user guesses and lives.
- Implemented game mechanics such as randomly generating a valid 4 digit number, validated user guesses, and created a popup window indicating the result of the game.