**Han Bui**

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[http://hanbui.me](http://hanbui.me/)

**OBJECTIVE**

Seeking full-time position to develop web technology, software engineer, and teamwork while putting acquired skills to the test

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**EDUCATION**

**Bachelor of Science in Computer Science**

University of Houston – Houston, TX December 2020

GPA 3.8

**RELEVANT COURSEWORK**

Data Science Computer Operating System Computer Org. & Architecture

Algorithms & Data Structures Software Design Database

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**RELEVANT PROJECTS**

**Personal Project** – Austin, TX Summer 2020

* ***Bug Tracker*** – A web application that tracks the progress of tickets of bugs or requests from the user within the project. Implemented MVC model. Developed security and authentication with login & password recovery system. The application implemented Role Base Access Control for authorization. Each role has different permissions and views depends on the user when perceiving the website.

**Software Design**, University of Houston – Houston, TX Summer 2020

* ***Fuel Quoter*** - A program that lets a client request and generates a fuel quote based on location and the number of gallons requesting. Implemented MVC model. The user/client can edit profile, password, and request password recovery. User clients can also see fuel quote history. Led a team of 3 developers and applied Agile methodology in collaboration between teammates and utilized source control on Github platform. Implemented unit testing and provided code coverage reports using PHPUnit/XDebug.

**School Projects**, University of Houston – Houston, TX Fall 2018 - Spring 2020

* ***Storytelling Project*** – Analyzed statistics of hurricane Harvey’s affected Houston populations to provide solutions; performed data cleaning, manipulation, mining, and visualization using Python via Jupyter Notebooks; gained knowledge of many clustering methods
* ***Data Analytics*** – Performed feature selection to clean and reduce the dimensionality of the data for business understanding; built and compared models & parameters to see trend and predicting future profitable products; gained knowledge in business decision making

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**COMPUTER SKILLS**

* **Programming Languages:** PHP, SQL, NoSQL, C/C++, Python, UML, R, Arm Assembly, Express, Angular, Bootstrap, Laravel
* **Software:** Git/GitHub, XCode, Anaconda, RStudio, MySQL, VS Code, Oracle SQL, NetBeans, Composer, MongoDB, XAMPP, phpMyAdmin, RStudio, Visual Studio/Code, Adobe Photoshop, Bootstrap Studio
* **Operating Systems:** Windows 7 & 10, MacOS

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**EXPERIENCE**

**University of Houston** – *Teaching Assistant*; Houston, TXJune 2020 – Present

* Provide assistance in the creation of assignments, managing attendance records, and various daily tasks for over 200 students. Evaluate assignments and provide feedback on how to improve students’ performance within the course. Debug Python code as a statistic language for machine learning techniques. Organize weekly one-on-one mentoring to help student catch on with the course’s material
* Assist in building weekly feedback forms that allow professors to better engage students in the course. Cooperate with other Teaching Assistants and Mentors to improving the course’s quality. Promptly respond to general inquiries from members, staff, and students.

**Samsung Austin Semiconductor (SAS)** – *Shift-Lead Assistant;* Austin, TX November 2016 – January 2018

* Operated Scan Electron Microscope (SEM) machine to detect defects on microprocessors for 32, 22, and 14 nm technologies. Analyzed failure tests on electronic devices to improve company product yield
* Managed team of employees: delegated found defects to employees based on expertise and answered questions. Trained new employees to operate Vertical Scan Electron Microscope (VSEM) and SEM. Orchestrated meetings for delivering information on new devices and discussing new occupational procedures

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**ACTIVITIES & AWARDS**

**Computer Science Peer Mentor –** *Volunteer*  Summer 2020

* Provided group and one-on-one mentoring for more than 50 students in Data Science using Python
* Hosted meetings for weekly Q&A section regard to class structure and format

**Phi Theta Kappa** – *Member* Spring 2018

* Assisted disabled population of Austin during Cycling Special Olympics, and distributed food to homeless population of Austin
* Engaged in organized discussions about social difficulties, such as social justice and prejudice

**Samsung Austin Semiconductor (SAS)** *– Employee of the Quarters*  2016 - 2017

* High Performances in 4 consecutive quarters