**Han H. Bui**

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**OBJECTIVE**

Seeking full-time internship position to develop programming, communication, and teamwork skills 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 3.74

**RELEVANT COURSEWORK**

Data Science Computer Operating System Computer Org. & Architecture

Algorithms & Data Structures Interactive Computer Graphics Discrete Mathematics

Database Software Design

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**RELEVANT PROJECTS**

**Bug Tracker** – Personal Project

MVC (Model View Controller)

RBAC

MySQL DB

Security/Authentication

PHP

API (PDO, mysqli, PHPMailer, MakePDF)

Bootstrap, templates

**Fuel Quoter**

**Three tiers design (MVC)**

Frontend : Bootstrap, templates

PHP

Mysql

Unit Testing (Code Coverage tools)  
Generate Code Coverage Report using PHPUnit / XDebug

**Operating Systems**, University of Houston – Houston, TX Spring 2020

* ***Multiprocessing*** – Stimulated computer operating systems by implemented core scheduling with multiprocessing technique using queue and priority queue; gained knowledge system’s ability to support more than one processor and the ability to allocate tasks between them.

**Data Science**, University of Houston – Houston, TX Fall 2019

* ***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

**Data Structures*,*** University of Houston – Houston, TX Spring 2019

* ***Library Book Management*** - Designed program that manages a virtual library of books using C++, gained understanding of linked lists, dynamic programming, sorting algorithms, debugging, and command parsing.
* ***Queuing System -*** Designed queueing system in C++ for virtual restaurant to minimize the time between customer waiting and serving; gained knowledge of differences between queue and priority queue.

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**COMPUTER SKILLS**

* **Programming Languages:** PHP, MySql, Oracle Sql, C/C++, Python, Unix, HTML, CSS**,** MATLAB, R, Arm Assembly, OpenGL
* **Software:** Microsoft Office, XCode, Anaconda, SQLDeveloper, MySQL NetBeans, uVision, Jupyter Notebook, RStudio, Atom, Sublime Text, Weka
* **Operating Systems:** Windows, Mac OS

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**EXPERIENCE**

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

* Grading Assignments
* Answering questions
* Assisted professor on preparing assignment and material
* Cooperated with other Teacher Assistants and Mentors for the need of students
* Giving Feedback
* Helping student to debug code

**Samsung Austin Semiconductor (SAS)** – *Shift-Lead Assistant;* Austin, TX November 2016 – December 2017

* Operated Scan Electron Microscope (SEM) machine to detect defects on microprocessors for 32, 22, and 14 nm technologies.
* Managed team of employees: delegated found defects to employees based on expertise, and answered questions
* Analyzed failure tests on electronic devices to improve company product yield
* 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**

**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

**Vietnamese American Community at Austin Texas** – *Event Organizer* Spring 2018

* Led group of seven volunteers to raise money for impoverished Vietnamese community during Lunar New Year event