Hiep Nguyen

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EDUCATION

UNIVERSITY OF TEXAS AT AUSTIN
Major: ELECTRICAL AND COMPUTER ENGINEERING, B.S.
Expected: Dec 2020 | Austin, TX
Honors: Presidential Scholar
Minor: Business, GPA: 3.67

DOBIE HIGH SCHOOL
Houston, TX
Top Decile Student
Tennis Championship

COURSEWORK

CURRENT
Algorithm
Operating System
Network Security
Blockchain/Cryptocurrency
Finance
COMPLETED
Software Engineering and-Design Lab
Software Implementation
Embedded System Design
Digital Logic Design
Linear System & Signals
Circuit Theory
Discrete Mathematic
Matrices & Matrix Calculation
Linear Algebra
Probability

SKILLS

PROGRAMMING
10,000+ lines: Java
5,000+ lines: C, Python
1,000+ lines: HTML,
CSS, C++, JavaScript.
OTHER
Efficient Program Design
Time Management
Organization

INTERESTS

Programming • Tennis • Soccer

PROFESSIONAL EXPERIENCE

EMERSON | SOFTWARE ENGINEER INTERN
May 2019 – August 2019 | Austin, TX
- Designed a python internal tool to assist with software testing process. The tool helps reduce the time it takes to check for differences between two sets of files by 95% percent and reduces the human errors by 70% percent.
- Designed a python tool to generate selenium code for web automation testing, helps reduces the time it takes to generate a test script by 80%.
- Gained valuable experience in leadership and work integrity during the course of the internship.

DELOITTE TECHNOLOGY VIRTUAL INTERNSHIP | PARTICIPANT
August 2019 | Austin, TX
- Learn about the business side of the technology business from client discovery, business case to mobilisation and market scan to understand more about different aspects of tech consulting.

PECAN VILLAGE APARTMENT | MANAGER
August 2017 – now | Austin, TX
- Manage the business's accounting and daily operations.
- Design and maintain online web page for the business.

RELEVANT PROJECTS

FILE COMPARISON TOOL – PYTHON INTERNAL TOOL
- Implemented using Python, Tinker, HTML and JavaScript to compare the differences between two versions of the same set of device descriptor files, matching lines that are out of order, predict potential errors and generated the report in HTML format.

WEB AUTOMATION TEST SCRIPT GENERATOR – SELENIUM TOOL
- Implemented using Python and Selenium to translate normal user activity on a website to Selenium code to assist with web automation testing.

BOOK BRAIN – BOOK REVIEW WEBSITE
- Worked in a team project to design a website that accumulate reviews from popular book website on the internet using Python and Selenium to generate a comprehensive review score and top reviews for a book by implementing sentiment analysis.

HEALTH MONITOR DEVICE – WEARABLE FITNESS TRACKER DEVICE
- Designed an embedded system printed circuit board from the ground up and program it with C language to monitor user's health status and connect it via Bluetooth to a phone app designed using android studio.

BUG WORLD - INTERACTIVE VIRTUAL PET GAME
- Fun game developed in Java where you can create your own customized bug to be put into a virtual world where it will grow, mate, fight and die as time passes by.

EXTRACURRICULAR ACTIVITIES

STEM DAY FOR KIDS | VOLUNTEER: Assist in helping elementary kids learn about the electromagnetic spectrum and build their own crystal radio.
VIETNAMESE MARTYRS CHURCH | TEACHING ASSISTANT: Assist in helping Vietnamese American kids learn about their mother language and culture.