TRI (WES) HOANG

1714 S. Ivanhoe St.
Anaheim, CA 92804

(714) 417-4253
Email: trih1@uci.edu
LinkedIn Profile: https://linkedin.com/in/weshoang
Website: https://westagram.github.io

Education

University of California, Irvine - *Computer Science*   SEPTEMBER 2014 - JUNE 2018

- Dean's Honor List: Fall 2014, Winter 2015, Winter 2016, Fall 2016
- Relevant courseworks (including but not limited to):
    - Project in Database and Web Application
    - Design and Analysis of Algorithms
    - Principles in System Design
    - Discrete Math for Computer Science
    - Project in Artificial Intelligence
    - Embedded Softwares
    - Information Retrieval
    - Data Structure Implementation and Analysis

Skills

- Backend: Java, Python, C/C++, Assembly, NodeJS
- Frontend: HTML5, CSS3, JavaScript
- Database Management: mySQL, IBM DB2
- Version Control: Github, Bitbucket
- DevOps: Confluence, Jira, Jenkins
- Hosting Services: Amazon Web Services (AWS), Apache Tomcat, Openshift
- Operating Systems: Mac OS X, Windows 8, Windows 10, Linux, Unix and Variants
- Bilingual in English and Vietnamese

Projects

- **Movie Search Web-based Interfaces -** *Java (JDBC, JSP/HTML, JSTL, Java Servlet, JavaScript), mySQL*
    - Developed a program with various functionalities that connects to mySQL database using JDBC
    - Using Java Servlet to respond to the user's requests and send the response to the server
    - Allowed users to view information regarding movies, including but not limited to, movie's title, director, genres, etc.
    - Allowed the users to check out any movie(s) with a valid information in the database
    - Designed a user interface through Android and web developments
- **Digit Recognizer -** *Python (Jupyter Notebook, Pytorch), Google Colab*
    - Developed a program using image recognition to analyze handwritten digit and output the correct result
    - Designed an algorithm centering around the concept of Convolution Neural Network to correctly identify digits from a dataset of tens of thousands of handwritten images
    - Used the library of Pytorch to assist the progress of deep machine learning
- **Embedded System -** *C, Embedded System Hardwares*
    - Designed an embedded computer centered around the ATMega32 microcontroller
    - Developed multiple projects including music player, voltage reader, electronic clock, etc.
- **iCampus -** CSULB BeachHacks **-** *Java (JDBC, Swing, NETBEANS), mySQL*
    - Developed a system that allows users to browse on-campus events and fundraising activities that are published by organizations of their campus

Other Projects

- **Multithreading -** *Java*: Developed a city train system consists of 5 trains stations and 5 trains with their own train track
- **Artificial Intelligence -** *C++*: Developed artificial intelligence to generate a maze, solve a maze, and play Othello
- **Data Structure -** *C++*: Developed several data structures, including Hash Table, Binary Tree and AVL Tree
- **Client/Server Address Book -** *C*: Developed a client/server application using socket programming
- **MapQuest API -** *Python*: Developed a GPS using MapQuest API to route a path from one location to another

Work Experience

Experian, Costa Mesa **-** *Software Development Intern*   JUNE 2017 - PRESENT

- Developed QA Automation scripts using Python and its Robot Framework
- Developed a centralized web application called QA Hub using full-stack Java (JDBC, JSP, JSTL, Java Servlet)
- Managed thousands of datas and developed SQL to query through IBM DB2 Mainframe
- Practiced continuous integration by using and developing pipeline for Jenkins
- Utilized multiple Integrated Development Environments such as Eclipse, Pycharm, Visual Studio Code and more
- Studied the development principles through DevOps tools such as Kanban Board, Bitbucket, Jira, Jenkins, etc.
- Collaborated with engineering team, product owner and team members using Agile to develop high quality software to help assist the process of Quality Assurance through Automation
- Analyzed business issues, recommended solutions, demonstrated analytical and problem-solving abilities
- Worked with peers and business partners to understand financial decisions that maximize shareholder value

Primus Academy, Fullerton **-** *Programming Tutor*   MARCH 2016 - DECEMBER, 2016

- Enlightened children from 3rd to 8th grade in the subject of Computer Science
- Utilized multiple block programming languages such as Scratch and Tynker while preparing teaching materials
- Provided an exciting and encouraging learning environment while promoting the idea of teamworks

Tokio Grill, Irvine **-** *Cashier/Server*   JUNE 2015 - OCTOBER, 2015

- Helped customers with their needs and provided a clean working environment
- Managed in-store operations when the manager is absent

H-T Construction, Anaheim **-** *Assistant*   JUNE 2014 - OCTOBER, 2014

- Provided necessary physical helps for the contractors to build homes/shelters

Leaderships

Level V Origins - *Director*   JUNE 2016 - JUNE 2018

- Coordinated and organized a collegiate dance team with 70+ members
- Planned out schedules for rehearsals and performances
- Ensured the team is managed smoothly in every aspect such as internal, external, finance, artistic, etc.
- Provided a friendly and welcoming atmosphere to all members of the team
- Created artistic choreography and audio mixes for performance purposes

Vietnamese Student Association - *ACE Chair*   JUNE 2017 - JUNE 2018

- Organized a mentor - mentee relationship program within the organization
- Planned events throughout general meetings to provide an exciting atmosphere for general members