

# ANH VUONG

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## PROJECTS

### TritonLink – Database Web App

PostgreSQL, SQL, Java, JSP, HTML, CSS

- Collaborated in a team of two to develop a web application with extensive data maintenance and querying needs
- Designed an E/R schema that effectively captures the entire data set
- Created an interactive application to insert data set components into the database with JSP and HTML
- Implemented user-friendly query forms for efficient report generation and display of requested information
- Constructed decision support queries and implemented triggers for decision-making capabilities with PostgreSQL

### Data-Driven Population Analysis in California

Python, Jupyter Notebooks, Sklearn, Seaborn, Panda

- Analyzed the housing price impact on the populations of California and Texas in a comparative study
- Collaborated with a team of four members to conduct Exploratory Data Analysis (EDA)
- Cleaned up data, discovered patterns, and formulated hypothesis with NumPy and Panda
- Conducted correlation analysis on housing price and population changes in California and Texas

### Kaimono – Smart Shopping Web App

JavaScript, HTML, CSS, NodeJs

- Created a smart shopping web application that enhances inventory and shopping list management
- Engaged in Agile development methodology while collaborating with a team of ten members
- Developed user interface scripts and implemented pipeline
- Implemented unit testing and continuous testing integration

### Student Record Management System App

Java, BlueJ

- Designed a small-scale database app for efficient access and management of student records
- Worked in a team of four members, adhering to fundamental Agile principles
- Developed and primarily executed the implementation of a user-friendly Graphical User Interface (GUI) using BlueJ

### Switch Arcade App

Python, Turtle, Tkinter

- Designed a Python-based Switch Arcade Game in a team of five members
- Built six mini arcade games with distinct features and gameplay mechanics
- Enhanced the graphical user interface (GUI) in these games by leveraging Python libraries such as Turtle and Tkinter

## EDUCATION

### San Diego, CA

University of California, San Diego

Sep 2021 – Dec 2023

Bachelor of Science in Computer Science, Major GPA: 3.73, UC GPA: 3.66

### Provost Honors

Relevant Coursework: Database Systems Principles, Database System Application, Machine Learning, Data Science in Practice, Software Engineering, Computer Architecture, Advanced Data Structure and Algorithm

### Costa Mesa, CA

Orange Coast College, CA

Aug 2018 – May 2021

Associate of Science in Computer Science, GPA: 4.0

Associate of Science in Mathematics, GPA: 4.0

Dean's List & Awards: Osher Foundation Scholarship 2020 & Sherry Griswold Memorial Scholarship 2021

## SKILLS

**Programming Languages:** Python, PostgreSQL, MySQL, C, C++, Java, JavaScript, HTML, CSS

**Frameworks/ Libraries:** NumPy, Sklearn, Data Wrangling (Panda), Node.js, Unix, Turtle, Tkinter

**Tools/ Technologies:** Jupyter Notebooks, Git, Apache Tomcat, Java Server Pages (JSP), Eclipse, VS Code, PyCharm

## EMPLOYMENT

### Material Controller cum Tech Support

Express Manufacturing Inc | USA

Spring 2018 – Fall 2019

- Controlled and distributed in-stock electrical materials
- Took charge of manipulating the Manex program (ERP System)
- Reduced 15% delay time through supporting technical work
- Supported senior leaders by managing procedures and manipulating data on the system to drive process improvement

## SOFT SKILLS

- Interpersonal skills
- Problem-solving
- Teamwork
- Analytical & Mathematical Mind