

# ANH VUONG

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## PROJECTS

### TritonLink – Database Web App

PostgreSQL, SQL, Java, JSP, HTML

- 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 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: **3.67**

### 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 & Honors Night:** 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