

# ANH VUONG

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## EDUCATION

**University of California, San Diego** **San Diego, CA** **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

**Orange Coast College, CA** **Costa Mesa, 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:** 2020 Osher Foundation Scholarship & 2021 Sherry Griswold Memorial Scholarship

## 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 Notebook, 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

## 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

## SKILLS

**Programming Languages:** Python, SQL, C++, C, Java, JavaScript, HTML, CSS  
**Frameworks/ Libraries:** NumPy, Sklearn, Data Wrangling (Panda), Turtle, Tkinter, Jekyll, Node.js, Latex  
**Tools/ Technologies:** PostgreSQL, MySQL, Jupyter Notebook, Git, Java Server Pages (JSP), Apache Tomcat, Eclipse, VS Code, PyCharm, MS Office (Word, Excel, PowerPoint, Outlook).

## SOFT SKILLS

- Interpersonal skills
- Problem Solving
- Teamwork
- Analytical & Mathematical Mind
- Attention to detail
- Adaptability
- Time management
- Critical Thinking