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 PostgresSQL.

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**: **3.7, UC GPA: 3.64**
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