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 (Using C++)

Orange Coast College, CA	Costa Mesa, CA	Aug 2018 – May 2021

Associate of Science in Computer Science, **GPA**: 4.0
Dean's List & Awards: 2020 Osher Foundation Scholarship & 2021 Sherry Griswold Memorial Scholarship

EMPLOYMENT

Data Analyst Intern	J-Two Consulting	USA	August 2023 – Present

- Queried over 100,000 records from 6 vendors performing SQL scripts and consolidated the data into a centralized Excel file for analysis, standardizing formats to increase consistency by 15%
- Produced customized monthly sales reports in Excel from data files on OneDrive for 9 retailers, reducing stakeholders' previous manual workload by 60%
- Maximized visibility into assigned tasks and their progress through adapting workflows and dashboards in Jira, facilitating a 90% on-schedule completion rate via active daily standups

Material Controller cum IT Support	Express Manufacturing Inc	USA	April 2018 – October 2019

- Managed material procurement workflows by customizing the Manex ERP system, reducing delays by 15%
- Implemented customizable system training and Excel onboarding to reduce new employee onboarding time by 20%
- Customized workflows and reports in Manex and Excel, rescued over 15% of line leaders' collective time spent on recurring data tasks

PROJECTS

TritonLink – Database Web App	SQL, Java, PostgreSQL, JSP, HTML, CSS

- Led a collaborative development project to build a web application enabling data management of expansive datasets through an efficiently designed E/R schema validated to model all data relationships and attributes
- Leveraged JSP, HTML and CSS to craft a responsive administration interface, empowering efficient data entry via customized forms validated through integration testing with the database
- SQL scripts including stored procedures and parameterized Java/JSP queries integrated Tomcat for customizable reporting
- Optimized CRUD and crafted decision queries and triggers utilizing PostgreSQL for parameter-driven determinations

Data-Driven Population Analysis in California	Python, Jupyter Notebook, Sklearn, Seaborn, Panda

- Analyzed correlation between housing prices and population shifts in California vs Texas via Exploratory Data Analysis (EDA) study
- Collaborated in a four-person team applying NumPy and Pandas to clean data, discover patterns, and hypothesize formulas
- Performed correlation analysis evaluating the impact of housing costs on interstate migration flows

Kaimono – Smart Shopping Web App	JavaScript, HTML, CSS, NodeJs

- Coordinated daily stand-ups and managed Github and Trello boards to oversee Agile workflow with a 10-member team developing an academic inventory management web application
- Designed responsive user interfaces using HTML, CSS, and JavaScript for inventory and shopping list features across desktop and mobile browsers
- Established CI/CD practices with automated front-end and back-end testing for smooth Node.js and database integration

Shadow Mapping Design	C++, OpenGL

- Implemented Shadow Mapping techniques in C++ to enhance realism 3D scenes and viewers' depth perception between objects
- Collaborated with a team of two members to apply C++ and OpenGL skills to complete development of shadow lighting code, resulting in improved rendering of spatial relationships and sensed depth throughout 3D environments

SKILLS

Programming Languages: Python, SQL, C++, C, Java, JavaScript, HTML, CSS, Matlab
Frameworks/ Libraries: NumPy, Sklearn, Data Wrangling (Pandas), Jekyll, Node.js, Latex, OpenGL
Tools/ Technologies: Jira, PostgreSQL, MySQL, Jupyter Notebook, Git, Java Server Pages (JSP), Apache Tomcat, Eclipse, VS code, MS Visual Studio, MS Office (Word, Excel, PowerPoint, Outlook)

SOFT SKILLS

• Interpersonal skills	• Problem Solving	• Teamwork	• Analytical & Mathematical Mind
• Attention to Detail	• Adaptability	• Time Management	• Critical Thinking