ANH VUONG

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PROFESSIONAL SUMMARY

As a prospective Computer Science graduate student at UC San Diego, I bring proficiency in Python, C++, Java, HTML, CSS, JavaScript, SQL, and Matlab, with a passion for innovation and a commitment to success in collaborative projects

EDUCATION

University of California, 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 and Application (Java, SQL, PostgreSQL), Machine Learning (Python), Data Science (Python), Software Engineering (JavaScript), Data Structure and Algorithm (C++), Computer OS (C)

Orange Coast College, 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   **Aug 2023 – Oct 2023**
J-Two Consulting LLC, Santa Ana, CA, USA
J-Two Consulting LLC is a small startup that specializes in delivering expert financial management consulting services, offering tailored solutions to address the distinct needs of businesses.
- 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%
- Created customized monthly sales reports in Excel for 9 retailers, reducing manual workload by 60%, and improved task visibility and on-schedule completion rate by adapting workflows and dashboards in Jira via active daily standups

Material Controller cum IT Support   **Apr 2018 – Oct 2019**
Express Manufacturing, Inc. (EMI), Santa Ana, CA, USA
Express Manufacturing, Inc. is an Electronics Manufacturing Services company providing comprehensive product manufacturing services to global electronics and technology companies with 1000+ employees in USA, China, and Vietnam
- Managed material procurement workflows by customizing the Manex ERP system, reducing delays by 15%
- Customized workflows and reports in Manex and Excel, rescued over 15% of line leaders' collective time spent on recurring data tasks

RELEVANT EXPERIENCE

TritonLink – Database Web App   **Mar 2023 – Jun 2023**
- 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   **Mar 2023 – Jun 2023**
- Analyzed correlation between housing prices and population shifts in California vs Texas via Exploratory Data Analysis (EDA) study utilizing Python and Jupyter Notebook
- Collaborated in a four-person team applying NumPy, Sklearn 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   **Sep 2022 – Dec 2022**
- 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

Student Record Management System App   **Jan 2021 - May 2021**
- Collaborated on Python Switch Arcade project in a five-person team, delivering six mini-games each with unique mechanics, averaging two mechanics per game
- Enhanced the six mini-game UIs through Python library integration, utilizing graphics/widget capabilities of Turtle and Tkinter modules

SKILLS

- **Programming Languages:** Python, C++, Java, SQL, Javascript, HTML, CSS, Matlab
- **Technologies/Tools:** Jira, PostgreSQL, MySQL, Jupyter Notebook, Git, JSP, Apache Tomcat, Latex, Visual Studio, Eclipse, PyCharm, MS Office (Word, Excel, PowerPoint, Outlook)
- **Frameworks/ Libraries:** NumPy, Sklearn, Data Wrangling (Pandas), Jekyll, Node.js, OpenGL
- **Others:** Attention to Detail, Problem Solving, Teamwork, Adaptability, Analytical & Mathematical Mind