

# 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

## PROFESSIONAL EXPERIENCE

**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

## 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

## SKILLS

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

## ADDITIONAL EXPERIENCE

**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