ANH VUONG

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PROFESSIONAL SUMMARY

As a recent 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: 3.744**, **UC GPA: 3.685**   **Provost Honors**

Relevant Coursework: Database Systems Principles and Application (Java, SQL, PostgreSQL), Machine Learning (Python), Data Science (Python), Software Engineering (JavaScript, HTML, CSS), 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

Patent Examiner – Computer Science | 40 Hours/Week   **Jun 2024 – Present**

U.S. Patent and Trademark Office, USA

The United States Patent and Trademark Office (USPTO) is the federal agency responsible for granting patents and registering trademarks to protect intellectual property rights.

- Conducted prior art searches using Patent Office systems to determine patentability based on novelty for inventions in image recognition, machine learning and AI.
- Evaluated patent applications through analyzing submitted materials to ensure potential innovations meet examination criteria and drafted office actions and respond to inquiries leveraging CS expertise to examine emerging technologies.

Data Analyst Intern | 40 Hours/Week   **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 | 40 Hours/Week   **Apr 2018 – Oct 2019**

Express Manufacturing, Inc. (EMI), Santa Ana, CA, USA

EMI is an electronics manufacturing services company with over 1000 employees across the USA, China, and Vietnam.

- Managed material procurement workflows by customizing the Manex ERP system, reducing delays by 15%, and customized workflows and reports in Manex and Excel, rescued over 15% of line leaders' collective time spent on recurring data tasks

COMPUTER SCIENCE PROJECTS

Predictive Analysis of User Ratings | Leader   **Sep 2023 – Dec 2023**

- Led predictive analysis of RentTheRunway clothing fit data through a team utilizing Python libraries in Jupyter notebooks.
- Employed methodology including data preparation, analysis and predictive modeling with text mining/optimization, developing a recommender system for satisfaction prediction.

TritonLink – Database Web App | Leader   **Mar 2023 – Jun 2023**

- Led a project building a web app leveraging an efficiently designed E/R schema validated through PostgreSQL to manage expansive datasets.
- Crafted responsive admin interfaces with JSP/HTML/CSS featuring customized, validated forms; integrated SQL scripts including stored procedures with parameter-driven queries and triggers for customizable reporting and determinations.

Kaimono – Smart Shopping Web App | Developer   **Sep 2022 – Dec 2022**

- Coordinated daily stand-ups and Agile tooling like Github and Trello to manage a 10-member team's workflow developing an academic inventory management web application.
- Designed responsive user interfaces leveraging HTML, CSS and JavaScript for inventory and shopping features across devices; established CI/CD practices with automated testing for seamless 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, MS Office (Word, Excel, PowerPoint, Outlook)
- **Others:** Attention to Detail, Problem-Solving, Teamwork, Adaptability, Analytical & Mathematical Mind