ANH VUONG, EIT

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EDUCATION & CERTIFICATIONS

Engineer-in-Training (EIT) – *California Board for Professional Engineers, Land Surveyors, and Geologists*   **Sep 2025**

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 (USPTO) | Alexandria, VA, USA
USPTO is the federal agency responsible for granting patents and registering trademarks to protect intellectual property rights
- Identified patentable innovations in image recognition, computer vision, machine learning, and AI by conducting thorough prior art searches on over 100,000 patents using Patent Office software and systems
- 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

SMT 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 SMT material inventory and distribution for PCB assemblies, ensuring compliance with engineering specifications; reduced material shortages by 15% through proactive planning
- Customized Manex ERP to track material flow and optimize stock levels, improving procurement efficiency and supporting on-time production schedules by 20%

COMPUTER SCIENCE PROJECTS

Predictive Analysis of User Ratings ⧉ **| Research 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 ⧉ **| R&D 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**
- Led Agile workflows and UI development for a 10-member team, using GitHub, Trello, HTML, CSS, JavaScript, and CI/CD with automated testing for 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:** PostgreSQL, MySQL, Jupyter Notebook, Git, Jira, MS Office (Word, Excel, PowerPoint, Outlook)
- **Others:** Attention to Detail, Problem-Solving, Teamwork, Adaptability, Analytical & Mathematical Mind