

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
<i>Bachelor of Science in Computer Science</i>	<i>Major GPA: 3.744, UC GPA: 3.685</i>
<i>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)</i>	<i>Provost Honors</i>
Orange Coast College, Costa Mesa, CA	Aug 2018 – May 2021
<i>Associate of Science in Computer Science</i>	<i>GPA: 4.0</i>
<i>Awards: 2020 Osher Foundation Scholarship & 2021 Sherry Griswold Memorial Scholarship</i>	<i>Dean's List</i>

PROFESSIONAL EXPERIENCE

Patent Examiner – Computer Science 40 Hours/Week	Jun 2024 – Present
U.S. Patent and Trademark Office (USPTO) Alexandria, VA, USA	
<i>USPTO is the federal agency responsible for granting patents and registering trademarks to protect intellectual property rights</i>	
• 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	
<i>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</i>	
• 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	
<i>EMI is an electronics manufacturing services company with over 1000 employees across the USA, China, and Vietnam</i>	
• 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:** AutoCAD, PostgreSQL, MySQL, Jupyter Notebook, Git, Jira, MS Office (Word, Excel, PowerPoint, Outlook)
- **Others:** Attention to Detail, Problem-Solving, Teamwork, Adaptability, Analytical & Mathematical Mind