Nicholas Yu

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EDUCATION

University of Southern California, Viterbi School of Engineering — Los Angeles, CA
Bachelor of Science in Computer Science/Business Administration — December 2025
Honors: Dean's List (Fall 2021 - Present) — GPA: 3.87
Relevant Coursework: Principles of Software Development, Data Structures & Algorithms, Web Development, Object-Oriented Programming, Introduction to Artificial Intelligence & Machine Learning

Queen Mary University of London, United Kingdom, Study Abroad — Fall 2024

EXPERIENCE

Cognizant — Teaneck, NJ (Remote)
Generative AI Extern — June 2024 - August 2024
- Optimized CNN models and used Python scripting to improve dog breed classification accuracy by 8%
- Leveraged Hugging Face library and GPT-2 to create and train PEFT model for spam email classification
- Adapted pre-trained MobileNet model using transfer learning and PyTorch to train classifier for new dataset

Hesperian Ventures, LLC — Berkeley, CA
Analyst Intern — January 2024 - June 2024
- Assessed AI Fintech startup pitch decks, applying key investment criteria to craft 20+ reports for investors
- Engaged with startup founders, noting due diligence criteria and aiding in 10+ investments decisions
- Built company website with HTML/CSS and WordPress, boosting business reach to acquire 30+ inquiries

MartialMe — Santa Clara, CA
Junior Developer — November 2023 - May 2024
- Created and launched responsive website, enabling collection of 40+ product inquiries in first month
- Fabricated collaborative wireframes in Figma to construct visual representations of all 8 pages for website
- Integrated UI standard to achieve seamless user experience, generating 95% positive customer feedback rate

Bema Electronics Inc. — Fremont, CA
Software Engineer Intern — June 2023 - August 2023
- Designed frontend of Product Tracking System Web Application utilizing JavaScript and HTML/CSS
- Generated SQL queries for backend to perform operations in PTS database, increasing productivity by 30%
- Initiated thorough unit testing of new PTS software updates to contribute to solving software discrepancies

LEADERSHIP & INVOLVEMENT

Daily Trojan — Los Angeles, CA
Online Section Developer — January 2024 - May 2024
- Overhauled Daily Trojan website with HTML/CSS and JavaScript techniques to reduce bounce rates by 8%
- Collaborated on game creation for web app utilizing ReactJS to escalate user engagement and consistency

PROJECTS

LvlUp | *React, PostgreSQL, NodeJS, Express* — June 2024 - Present
- Created full stack web app with React, NodeJS, and PostgreSQL allowing users to track meals and workouts
- Integrated Git-flow practices, implementing branches, commit messages, and rebasing to improve workflow

Movie Review Web Application | *JavaScript, MySQL, Java Servlets* — April 2024 - May 2024
- Created web app allowing users to search, review, and rate movies, storing unique info in MySQL database
- Integrated JavaScript functions to dynamically update movie posters and plot upon query of title keywords

Stock Trading Web Application | *JavaScript, SQL, Java Servlets* — April 2024
- Programmed full-stack app leveraging Fetch HTTP requests and REST APIs to retrieve live Stock data
- Implemented login/logout, buying/selling capabilities, and a portfolio using JDBC to store user-specific data

SKILLS AND INTERESTS

Languages: Python, Java, C++, JavaScript, HTML/CSS, SQL, TypeScript
Technologies: ReactJS, NodeJS, Java Servlets, MySQL, PostgreSQL, MongoDB, Bootstrap, Git, AWS
Libraries: PyTorch, NumPy, Pandas, Scikit-learn, JDBC
Other Skills: Microsoft Office, Word, Excel, PowerPoint, Webflow, Figma, WordPress