

# 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

## EXPERIENCE

**Cognizant** Teaneck, NJ (Remote)  
*Generative AI Extern* June 2024 - Present

- 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 specific tasks
- 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 - Present

- 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 - Present

- 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 CRUD operations in PTS database, increasing app usability
- Spearheaded thorough testing of new PTS software updates to contribute to solving software discrepancies

## LEADERSHIP & INVOLVEMENT

**Daily Trojan** Los Angeles, CA  
*Online Section Developer* January 2024 - Present

- 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

**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 information in database
- Integrated Git-flow practices, implementing branches & meaningful commit messages to improve workflow

**Stock Trading Web Application** | *JavaScript, SQL, Java Servlets* April 2024

- Programmed full-stack web app leveraging Fetch API and REST APIs to retrieve live Stock Market data
- Implemented user registration, login/logout, buying/selling capabilities, and a user-specific portfolio

## SKILLS AND INTERESTS

**Languages:** Python, Java, C++, JavaScript, HTML/CSS, SQL

**Technologies/Frameworks:** ReactJS, Scikit-learn, Java Servlets, MySQL, Bootstrap, Git, Figma, PyTorch

**Interests:** Basketball, Fishing, Golf, Fantasy Football, Fitness, Weightlifting, Running, Video Games