Bennett Nguyen

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EDUCATION

Santa Clara University   **Santa Clara, CA**
Master of Science, Computer Science and Engineering   *Expected Graduation Date: March 2026*
- Relevant Coursework: Computer Architecture, Operating Systems, Embedded Systems with ARM Cortex

Santa Clara University   **Santa Clara, CA**
Bachelor of Science, Computer Science   *Graduation Date: June 2024*
- GPA: 3.3/4.0
- Relevant Coursework/Organizations: Logic Design, C++/OOP courses, Data Structures & Algorithms, Theory of Automata, Computer Networks, Data Science, Web and Data Mining, Association for Computing Machinery (ACM)

WORK EXPERIENCE

Santa Clara University   **Santa Clara, CA**
TailorEd Project - Researcher   *June 2022 - September 2023*
- Drove the preparation for analysis of a collection of 3000+ pictures out of the project's 1 million+ photos
- Categorized and sorted photos in accordance with set criteria to align with the perspective of computer vision in order to prepare for input into machine learning algorithm; gained exposure to the components of the ML algorithm
- Provided feedback to research leadership and RA's on feasibly better methods that led to an increase of efficiency of the preparation process

Cisco   **San Jose, CA / Raleigh, NC (Remote)**
People & Communities Intern   *June 2020 – August 2020*
- Partnered with fellow interns from San Jose and Raleigh in a remote environment during the pandemic to create a modern solution to problems faced by high school students in the college application process
- Gained exposure to the concepts of user interface (UI) and user experience (UX) to help create a user-friendly app catered to high school students applying for college
- Experienced the responsibilities of an employee at Cisco while assisting mentor in team scrum workday meetings, undertook tasks needed to be completed by mentor's team

PROJECTS

Software Engineering Job LLM-Driven Analysis   **Python, Scrapy, Selenium, LlamaIndex**
- Scraped and analyzed job listings from LinkedIn, Indeed, and Glassdoor using Python Scrapy, Scrapy-Selenium, and JSON to identify software engineering skill trends
- Teamed with 2 others to build an LLM-powered Retrieval-Augmented Generation (RAG) model with Llama-Index, ChatGPT embeddings, and a vector database to generate data-driven insights on industry demands
- Utilized a vector database to efficiently store and retrieve high-dimensional data, supporting data-driven insights into career requirements

Plutus: AI-Driven Finance Web App   **React.js, Node.js, TailwindCSS, Vite, Supabase, OpenAI API**
- Developed a React.js web app for real-time expense tracking and AI-driven budgeting insights, integrating ChatGPT for personalized financial recommendations
- Engineered a Supabase backend for secure transaction storage and authentication, ensuring seamless data retrieval and cross-device sync
- Conducted rigorous debugging and implemented automated testing, improving API stability and application reliability

EVHub Student App   **Java, Android SDK, Gradle**
- Led a team of five to develop an Android-based school hub app for high school students using Java, Android SDK, and XML to provide a tailored platform for student interaction
- Utilized Gradle for efficient project dependency management and streamlined build processes, ensuring reliable app performance

SKILLS & INTERESTS

Skills: C++, Python, JavaScript, React.js, Node.js, HTML/CSS, Git, PostgreSQL, Supabase, Linux; UI/UX; able to quickly learn new frameworks/technologies

Interests: Artificial Intelligence, Internet of Things, Cybersecurity, Robotics, Watching and Playing Sports