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, Computer Networks, Machine Learning

Santa Clara University   **Santa Clara, CA**
Bachelor of Science, Computer Science   *Graduation Date: June 2024*
- 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)**
UI/UX Intern   *June 2020 – August 2020*
- Partnered with fellow interns from San Jose and Raleigh in a remote Agile 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 RAG Analyzer   **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 full stack 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/C++, Python, JavaScript, React.js, Node.js, HTML/CSS, Git, SQL/MySQL, Linux; UI/UX; able to quickly learn new frameworks/technologies

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