

# GEN TAMADA

Saratoga, CA, 95070 • (408) 858-1953 • gen8009@gmail.com • www.linkedin.com/in/gen-tamada

## EDUCATION

University of California, Santa Barbara (UCSB)  
*Bachelor of Science (B.S.) Computer Science Candidate*  
Second-year undergraduate (Taken Data Structures and Algorithms)  
GitHub: <https://github.com/Ononymous>  
Personal Portfolio: <https://gentamada.me/>

Santa Barbara, CA  
Expected June 2025  
Cumulative GPA: 3.97

## PROJECTS

- Noteblockkit (2023): a machine learning model to easily generate Minecraft Noteblock music (<https://tinyurl.com/noteblockkit>)
- AirNet (2023): phone app on React Native Expo framework, with Supabase for database (<https://github.com/Ononymous/AirNet>)
- GauchoCourses (2023): Vue.js for frontend, Spring Boot for backend, MS Azure for database (<https://tinyurl.com/gauchocourses>)
- New SOAR Foundation website (2022): powered by Wix website builder (<https://gen8009.wixsite.com/soar-foundation>)
- Cryptaid (2022): developed using React JS, hosted on Moralis, integrated MetaMask authentication (<https://tinyurl.com/cryptaid>)
- 30 Seconds (2022): created using React JS, integrated AssemblyAI speech-to-text tool (<http://tinyurl.com/30-sec-interview>)
- Fiesta (2021): built using React JS, hosted on Firebase (<https://tinyurl.com/fiesta-ucsb>)

## INTERNSHIP EXPERIENCE

*Software Engineer Intern*, Aquimo Inc., Remote June 2023-Present

- Collaborated with experienced mentor in creating light-weight mobile games and apps hosted on websites, using Cocos Creator
- Researched and standardized a method for user to access any web-mobile games on their home screen without using app stores
- Discovered a solution to optimize the URI parsing algorithms to allow developers to more easily modify the query strings
- Devised a structure to compress color-pattern table to 100 lines in json format that was previously 300 lines long
- Familiarized with new tool, Cocos Creator, within 2 weeks, and designed a frontend prototype DJ interface for game hosts

*Software Engineer Intern*, SOAR Foundation, Remote June 2022-September 2022

- Created a new website for SOAR in 2 weeks using the platform of Wix; eliminated unnecessary components of the original site, emphasized the important information, and simplified the web-user-interface for the users
- Proposed the plan for replacing the original Wordpress site of SOAR Foundation to one powered by React JS
- Listed the pros and cons of the overall switch and the necessary procedures needed to achieve the new React JS site

## OTHER EXPERIENCE

*Project Team Leader*, UCSB Data Science Club, Santa Barbara, CA September 2022-April 2023

- Invented a solution that allows an accurate conversion of any music (wav file) into noteblock systems in Minecraft
- Researched more than 10 different solutions and implementations on the task of Music Source Separation using machine learning
- Implemented a recurrent neural network model in PyTorch, and trained 3 separate sets of parameters for bass, vocals, and drums
- Hosted the model on Streamlit Community Cloud; adjusted the model to fit the memory usage limit on Streamlit

*Project Backend Team Leader*, Coders SB Club Project Series, Santa Barbara, CA April 2022-June 2022

- Developed a decentralized non-profit application (DApp) "Cryptaid" for cause-driven supporters to employ cryptocurrency to send aid, safely and anonymously.
- Earned the title of 2nd place on the collaborative competition between the SB Blockchain club and Coders SB club
- Learned to utilize Moralis, a web 3.0 storage platform, for the transaction and donation function of the app

## SKILLS

- React.js, React Native, Vue.js, Javascript, CSS, HTML, Java, MIPS Assembly, C++, R (Statistics), Cocos Game Creator
- Python: Numpy, Scipy, PyTorch, TensorFlow, Librosa, Streamlit
- Firebase, Moralis database / hosting, Supabase
- English (Native), Chinese (Native), Japanese (Native)

## ACTIVITIES

- Practicing Chinese and Japanese by reading novels written in those languages, Badminton, Strength training