GEN TAMADA

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

EDUCATION

University of California, Santa Barbara (UCSB)   Santa Barbara, CA
Bachelor of Science (B.S.) Computer Science Candidate   Expected June 2025
Second-year undergraduate (currently taking Data Structure and Algorithms course)
Cumulative GPA: 3.96
GitHub: https://github.com/Ononymous
Personal Website: https://gentamada.me/

PROJECTS

- Noteblockit: a machine learning model to easily generate Minecraft Noteblock music (https://tinyurl.com/noteblockit)
- New SOAR Foundation website: powered by Wix website builder (https://gen8009.wixsite.com/soar-foundation)
- Cryptaid: developed using React JS, hosted on Moralis, integrated MetaMask authentication (https://tinyurl.com/cryptaid)
- 30 Seconds: created using React JS, integrated AssemblyAI speech-to-text tool (http://tinyurl.com/30-sec-interview)
- Fiesta: built using React JS, hosted on Firebase (https://tinyurl.com/fiesta-ucsb)

INTERNSHIP EXPERIENCE

Software Engineer Intern, SOAR Foundation, Fremont, CA   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
- Showcased the progress of the new React JS site prototype using video recording; explained the past and future changes

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
- Documented the process of implementation and problems encountered in the Github Readme file and the demo website

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

Project Backend Team Leader, Major League Hacking: SB Hacks VIII, Santa Barbara, CA   February 2022
- Built the web app "30 seconds" to help underprepared college students to improve their response in interview questions
- Collaborated with in a team of four to construct a full-stack interactive website in 1 day
- Learned and employed AssemblyAI (speech-to-text api) into the app in less than 9 hours
- Cooperated in solving issues with team members when technical problems related to React JS arises

SKILLS

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

ACTIVITIES

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