Albert Tan

✉ ahtan@usc.edu | ☎ 310-343-8777 | 🌐 alberthtan.me
 github.com/alberthtan | in linkedin.com/in/alberthtan

EDUCATION

UNIVERSITY OF SOUTHERN CALIFORNIA   Anticipated May 2023

BS in Computer Science, Minor in Applied Analytics. GPA 4.0/4.0
- **Scholarship and Honors:** National Merit Scholarship; USC Presidential Scholarship; Dean's List
- **Selected Coursework:** Introduction to Artificial Intelligence, Applications of Machine Learning, Full-Stack Web Development, Discrete Methods in Computer Science, Data Structures and Object-Oriented Design, Enterprise Data Analytics, Linear Algebra and Differential Equations

PALOS VERDES PENINSULA HIGH SCHOOL   June 2019

Valedictorian. GPA 5.0/5.0

EXPERIENCE

USC Gould School of Law | Research Assistant   July 2021—Present
- Co-author a chapter for the AI and the Law Handbook of the Cambridge University Press
- Synthesize the literature in computer science, economics, information systems, and operations to better understand how and when there should be regulatory interventions to facilitate trust.

Shokwna Inc (Digerini App) | Machine Learning and Backend Intern   May 2021—Present
- Develop an application to screen and manage mobile call and text inflow using a Virtual Assistant
- Build and deploy a custom model that uses Few-Shot Keyword Spotting to recognize key words from a voice input.
- Connect the back-end with the Twilio API in Python Django to gather user call information.
- Participate and lead in daily standup meetings, organize JIRA sprints and reviews, and communicate with the Digerini team to set and achieve goals.

PROJECTS

NBA Shot Analysis | Research Project   Mar 2021—May 2021
- Analyzed 128,000 shots in an NBA season to help teams utilize the shot clock more advantageously.
- Built ML models using python library scikit-learn to predict the result of a shot given multiple parameters.

StuOrgCentral | Website   Oct 2020—Dec 2020
- A fully functioning CRUD application that allows USC students to filter and find student organization events.
- Built with MongoDB, ExpressJS, ReactJS, and NodeJS.

Event Hawk | Website   May 2020—July 2020
- A web search engine to find events in the area. Users are able to personalize their calendar and buy tickets.
- Built with PHP, JavaScript, SQL, and Ticketmaster API

Machine Learning Research | Research Project   Aug 2018—Aug 2019
- Utilized python ML to analyze batch, stochastic, and mini-batch gradient descent methods on a set of wage data.

EXTRACURRICULARS

USC Trojan Tennis Club | President   Sept 2019—Present
- Oversees the USC tennis club teams and presides over executive board meetings.
- Organizes trips to tennis tournaments, manages finances, and coordinates practices alongside the captains.

Palos Verdes Tennis Club | Tennis Coach   June 2020—July 2021
- Helped direct the junior workout program with 50+ players. Coached students one-on-one.

SKILLS INTERESTS

LANGUAGES | Python, C++, JavaScript, Java, SQL, HTML/CSS, PHP

FRAMEWORKS AND TOOLS | SAP BW/4HANA, ReactJS, NodeJS, Express, Ajax, MySQL, SCSS, Git

INTERESTS | AI, ML, Web Development, Tennis, Surfing, Spiritual Thinking