

ALBERT TAN

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EDUCATION

University of Southern California

Los Angeles, CA

G.P.A (4.00) – Major: Computer Science – Minor: Applied Analytics

Anticipated B.S. – May 2023

Scholarship and Honors – National Merit Scholarship; USC Presidential Scholarship; Dean's List

Palos Verdes Peninsula High School

Rolling Hills Estates, CA

Valedictorian (Class of 2019)

TECHNICAL (IT) SKILLS

Languages: Python, C++, C, Java, JavaScript, HTML, CSS, PHP, SQL

Frameworks/Tools: ReactJS, NodeJS, ExpressJS, Ajax, MySQL, SCSS, Erwin Data Modeler, Git

Selected Coursework: Full-Stack Web Development, Discrete Methods in Computer Science, Data Structures and Object-Oriented Design, Introduction to Computer Science with C++, Applied Python, Programming in Python, Machine Learning, Multivariable Calculus, Linear Algebra and Differential Equations

EXPERIENCE

USC Trojan Tennis Club

Sept 2019 – Present

Vice President | Rolling Hills Estates, CA

Manage team website, organize fundraising events, attend RCC meetings, direct general club

Palos Verdes Tennis Club

June 2020 – Present

Assistant Coach | Rolling Hills Estates, CA

Help direct junior workout program; demonstrate technique to junior players

The Classical Millennials

Sept 2016 – June 2019

Founder/Director/Musician | Palos Verdes & Torrance, CA

Organize a group of musicians to perform classical music at senior residences for a stipend

Steve Kwon SAT Center

Sept 2018 – Aug 2019

Tutor | Rolling Hills Estates, CA

Tutor students in SAT reading, writing, and math; grade tests; run office

USC Seeley G. Mudd Laboratory

June 2017 – July 2018

Intern/Research Assistant | Los Angeles, CA

Mentorship under Post-Doctorate scholar for the development and device fabrication of OLEDs

Mentorship under a graduate student for the development and testing of Li-ion battery cathode materials

PROJECTS

CommonTune

Dec 2020 – Present

A portal for jazz musicians to find each other in the area. Musicians are able to friend each other, create groups, and more.

Tech Stack: MongoDB, Express.js, React, Node.js

StuOrgCentral

Oct 2020 – Dec 2020

A fully functioning CRUD application that allows USC students to filter and find RSO events

Tech Stack: MongoDB, Express.js, React, Node.js

Event Hawk

May 2020 – July 2020

A web search engine to find events in the area. Users are able to personalize their calendar, buy tickets, and more.

Tech Stack: PHP, Javascript, HTML/CSS, SQL (MySQL)

Machine Learning Research

Aug 2018 – Aug 2019

Utilized python ML to analyze batch, stochastic, and mini-batch gradient descent methods on a set of wage data