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 Millenials   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