

# ALBERT TAN

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## EDUCATION

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### 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

Leadership – Vice President, USC Trojan Tennis Club (2019 – Present)

### Palos Verdes Peninsula High School

Rolling Hills Estates, CA

*Valedictorian* (Class of 2019)

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## TECHNICAL (IT) SKILLS

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**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

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## EXPERIENCE

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### 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

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## PROJECTS

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### 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