

Sherwin F. Zhang

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EDUCATION

Occidental College

Los Angeles, CA

Bachelor of Arts, Computer Science & Music Composition, Cum Laude

May 2022

- **Honors:** Dean's List, Honors Scholarship, Arther Colby Scholarship, Charles Haubiel Scholarship, 2019 Occidental College Computer Science Promise Award, Elizabeth Davis Peters Memorial Prize
- **Relevant Coursework:** Data Structures, Databases, Programming Languages, Networking, Data Science, Music & AI

EXPERIENCE

Finpeak Airmart

Redwood City, CA

Content Development/Full-stack Intern

August 2021-September 2021

- Implemented interactive front-end features from Figma into a Next.js SDK based app (a React.js framework) to deliver 4 unique responsive landing pages for the purposes of investor buy-in
- Teamed up with back-end engineers to pipeline a "co-manager" feature by setting up its front end, writing its queries, and designing data flow

Springlight Education

Cupertino, CA

Computer Science Teacher

June 2019-August 2019

- Taught three 3-week long programming boot camps for Python and Java to middle school and high school students, including fundamental concepts like object oriented programming and received glowing praise from parents regarding their children's success
- Constructed and designed courses vetted by professionals using a combination of online exercises, personally-designed problem sets, and lecture slides

RELEVANT PROJECTS

• Sonatina [Score-writer]

November 2021

- Designed a web-based music score-writer based on MongoDB, abcjs, Node.js, and React web framework over the course of 2 months
- Created functionality to view multiple scores using automatically refreshing queries every 5 seconds to simulate real-time synchronicity between mobile and desktop interfaces on the same page

• Simple Interface Music [Score-writer]

December 2020

- Developed a graphical music score-writer built from Node.js, MySQL, Lilypond, HTML/CSS frontend in 1 week, serving as its primary designer and database administrator
- Implemented full-stack pipeline with for the app's four primary functions: Writing, Changing, and Deleting Notes, as well as Printing/Exporting Score
- Delivered functioning prototype with scalable infrastructure for future public use

• Personal Website [thepowersss.github.io]

April 2019

- Engineered a responsive personal portfolio site written in Javascript + HTML/CSS frontend containing my programming side projects, music portfolios, blogs, and demos
- Hosted the site statically using github pages and tracked with Google Universal Analytics, with up to 60 monthly viewers

TECHNICAL SKILLS & INTERESTS

- **Proficient:** Javascript, HTML, CSS, Reactjs, Nextjs, Java, Python, Jupyter Notebook, Node.js, git
- **Familiar:** MySQL, command line, Lilypond, abcjs, MongoDB
- **Interests:** Data Science & Analysis, Full-stack Engineer, Front-end Engineer, Back-end Engineer, Software Development, UI/UX Specialist, Human-Computer Interaction, Database management