

Sherwin F. Zhang

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EDUCATION

Occidental College, GPA: 3.75

Los Angeles, CA

Bachelor of Arts, Computer Science & Music Composition

May 2022

- **Honors:** Dean's List, Honors Scholarship, Arther Colby Scholarship, Charles Haubiel Scholarship
- **CS Coursework:** Data Structures, Databases, Game Design, Programming Languages
- **Music Coursework:** Digital Audio Workstation, Film Scoring, Composition, Music Theory

PROJECTS

- *Sqorls!* Tower Defense game https://github.com/xixi743/COMP227_Final
- Simple Interface Music Program <https://github.com/thepowerssss/SIMP>
- Interpreter for a toy language (lang): https://github.com/thepowerssss/szhang_langParser

EXPERIENCE

Occidental College

Los Angeles, CA

Computer Science TA

September

2020-Present

- Assist professors with clarifying course content and helping students fulfill complete understanding of course material to advance in college-level basic programming fundamentals
- Handle multiple simultaneous student requests for help in a timely manner both synchronously and asynchronously to facilitate a flexible learning environment

STEAM: Coders

Los Angeles, CA

Programming Instructor Volunteer

September 2019-November

2019

- Curated a curriculum for teaching Python to middle school students from underprivileged backgrounds, collaborating with fellow volunteers to execute our 6-week long bootcamp
- Managed lesson plans to stimulate student attention spans, and troubleshooting programming issues through the use of online resources

Springlight Education

Cupertino, CA

Computer Science Teacher

June 2019-August 2019

- Constructed and designed courses vetted by professionals using a combination of online exercises and personally-designed problem sets and lecture slides
- Taught two 3-week long programming boot camps for Python and Java to middle school and high school students, culminating in a Space Invaders game
- Received endorsements from students' parents and my supervisor for my patience, detail-oriented approach, and helpfulness

SKILLS & INTERESTS

Interests:

- Human-computer Interface
- Web Design
- Full-stack Development
- Web-app Development
- Game Design

Programming Skills:

- Java
- Python
- JavaScript
- HTML & CSS
- GIT & git bash
- GameMakerStudio2