

LinkedIn: <http://www.linkedin.com/in/wilsonchen99>

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## EDUCATION

**University of Southern California**

Los Angeles, CA

**B.S Computer Science**

May 2025

GPA 4.0/4.0

## TECHNICAL SKILLS

**Programming Languages:** C/C++, JavaScript, Java, Python, SQL

**Web Development:** HTML, CSS, React, jQuery

**DevOps:** Git

## RELEVANT COURSES

- Data Structures and Object Oriented Programming
- Introduction to Algorithms and Theory of Computing
- Principles of Software Development
- Applied Python
- Discrete Mathematics in Computer Science

## EXPERIENCE

**USC Viterbi School of Engineering**

Los Angeles, CA

**Teaching Assistant**

May 2023 - June 2023

- CS@SC Summer Coding Camp.
- Provided support to students with programming in VEXcode VR.
- Guided students in assembling and operating robots.

**Teaching Assistant**

August 2023 - Present

- USC CSCI 270 Introduction to Algorithms and Theory of Computing.
- Offered students assistance in understanding subjects such as amortized analysis, divide and conquer, greedy algorithms, graph algorithms, dynamic programming, network flow and NP-complete problems.

## PROJECTS

**SAL TICKETS – Java**

- Modeled an online ticket trading system that enabled real-time event searches using data obtained through RESTful API.
- Implemented the front-end using HTML, CSS and JavaScript.
- Developed the back-end using Java Servlets.
- Performed data manipulation on the back-end using MySQL.

**E-COMMERCE PROTOTYPE – C++**

- Implemented with principles such as inheritance and polymorphism to effectively minimize code duplication.
- Employed pass-by-reference through pointers and references for enhanced performance and efficiency.

**PERSONAL WEBSITE – JavaScript**

- Built using the React library, incorporating concepts such as hooks, components and routers.
- Ensured optimal user experience by implementing a responsive design, adapting seamlessly across various devices.