

Wang-Hsing Chen

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EDUCATION

University of Southern California, Viterbi School of Engineering

B.S Computer Science

Los Angeles, CA

May 2025

GPA 4.0

HONORS

- Member of the Honor Society of Phi Kappa Phi
- The Dean's List of Viterbi School of Engineering 2022 - 2023

SKILLS

- **Computer Programming:** Java, C++, Python, HTML, CSS, JavaScript, jQuery, React
- **Tools:** Visual Studio Code, Xcode, Eclipse, PyCharm
- **Compiler:** GCC
- **Others:** GitHub

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 – CS@SC Summer Camps, Robotics

May 2023 - June 2023

- Assisted students in coding and robotics, fostering their learning and development in a fun and engaging environment.

ACADEMIC PROJECTS

SAL TICKETS – Java

- A web application modeling online ticket trading systems.
 - Event searching based on real-time information acquired via RESTful api.
 - Advanced event searching and trading system for registered users.
- Front-end implementation based on HTML, CSS and JavaScript.
- Back-end implementation via Java Servlets.
- Back-end data manipulation through MySQL.

E-COMMERCE PROTOTYPE – C++

- Modeled keyword searching, add product to cart, view cart, and purchase.
- Implemented with classes, pointers, references, maps, and sets.
- Utilized inheritance and polymorphism to reduce code duplication.

BIGINT – C++

- A library that allowed storage of arbitrary large numbers via vectors.
- Managed arithmetic operations of any base between 2 to 36 through operator overloading.