Wang-Hsing Chen

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https://wilsonchen99.github.io/

EDUCATION

University of Southern California, Viterbi School of Engineering — **Los Angeles, CA**
B.S Computer Science — 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.
- Real-time event searching is facilitated by acquiring information through a RESTful API.
- 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++

- A system modeling e-commerce platform, encompassing features such as keyword searching, adding products to the cart, viewing the cart, and making purchases.
- The implementation is accomplished using various data structures such as classes, maps, and sets, as well as fundamental concepts like pointers and references.
- Concepts such as inheritance and polymorphism were effectively utilized to minimize code duplication.

BIGINT – C++

- Arbitrary large number storage system utilizing vectors.
- Arithmetic Operations Management for Bases 2 to 36 via Operator Overloading.