

CHELSEY WANG

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AWARDS

- National Merit Scholarship Finalist
- Northrop Grumman National Merit Scholarship
- UCLA Regents' Scholarship

EDUCATION

University of California, Los Angeles -
B.S. Computer Science
Graduating June 2022

EXPERIENCE

- 2019 Bruin Racing - Electric Vehicle Rebuild Team**
- redesigned and assembled the electrical and powertrain system
 - utilized arduino, soldering, composite structure fabrication, and wire crimping in assembly
- 2019 Regents' Scholar Society (RSS) at UCLA- Executive Board Member**
- planned and organized multiple events for 200+ people
 - leading a committee to execute future events
 - redesigning and maintaining website

PROJECTS

Kalah (C++)

- a version of mancala (board game) that utilized inheritance, data structures, and recursion

Decoder (C++)

- program that encodes and decodes messages; must be most efficient form under a time constraint
- utilized hash tables, vectors, linked lists

DZKnow (HTML, CSS, Javascript)

- celebrity website, <https://chelseyywang.github.io/dz/>

Datalab (C)

- manipulating binary numbers solely through bitwise operations; no high-level statements

COURSEWORK

completed Computer Science 31 & 32 - Programming in C++

- object oriented programming, data structures, algorithms, sorting
- Math** - Multivariable Calculus, Linear Algebra, Differential Equations
Physics - Mechanics, Electricity and Magnetism, Waves, Oscillations, Optics
Digital Design - RTL Sequential and Combinatorial Logic

current Computer Science 33

- computer architecture, operating systems, assembly language, parallel programming
- Computer Science 35L - Software Construction Laboratory**
- scripting, low-level construction, debugging, systems programming, cyber security
- Discrete Mathematics**

HOBBIES / INTERESTS

Figure Skating - Los Angeles Ice Theater Senior Team,
3x National Bronze Medalists ; Solo Ice Dance 2017
Senior Level - 5th place Nationals

Piano - Certificate of Merit Level 10

SWE and IEEE WATT Member

LANGUAGES

Chinese - Mandarin - Fluent

Spanish - Intermediate
