

Kyle Chia-Ching Chang

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Education

University of California, San Diego

B.S. Mathematics-Computer Science

[CSE GPA: 3.6] | [Expected Graduation Date: 06/2019]

- Excelled in Advanced Data Structures, Design and Analysis of Algorithms, SPARC Architectures and Assembly, Discrete Mathematics, Vector Calculus, Linear Algebra, Differential Equations
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Skills

- Programming Languages: C++, C, SPARC Assembly, Java, Python
 - Web Technologies: HTML, CSS, Javascript, Heroku, Git
 - Development Tools: VIM, Valgrind, GDB,
 - Languages: English, Mandarin (AP Chinese)
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Experience

Computer Science Tutor (September 2016-December 2016)(January 2016-Current)

- Tutored students in CSE 8A ("Introduction to Programming Java I")
 - Advised and taught students object-oriented programming in Java.
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Projects

- Worked with mouse and key listeners, GUI interfaces, interfaces, polymorphisms in Java.
- Created a personal website to learn HTML, CSS, and Javascript
- Created an implementation of the "ls" Unix command. Coded in Assembly and C.
- Implemented Advanced data structures in C, C++, and Java.
- Worked with a partner to create an "auto-complete" program by using a TST.
- Worked with a partner to create a loss-less Huffman Tree compression program
- Worked with a partner to create a "Six Degrees of Kevin Bacon" graph project where connections between actors could be found with their movies using Dijkstras and BFS.