

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]

Employment

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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Education Computer Science, Mathematics Courses (2015-2016)

- Created an implementation of the "ls" Unix command. Coded in Assembly and C.
- Worked with mouse and key listeners, GUI interfaces, interfaces, polymorphisms in Java.
- Implemented Advanced data structures in C, C++, and Java.
- Excelled in Advanced Data Structures, SPARC Architectures and Assembly, Discrete Mathematics, Algorithms, Numerical Analysis, Vector Calculus, Linear Algebra, Differential Equations

Projects

- Worked with a partner to create a two player dice game "Hog" in Python
- Created a personal website to learn HTML, CSS, and Javascript
- Created a loss-less Huffman Tree compression program.

Skills

- Programming Languages: C++, C, SPARC Assembly, Java, Python
 - Web Technologies: HTML, CSS, Ruby on Rails, Heroku, Git
 - Development Tools: VIM, Valgrind, GDB, JUnit Testing, Microsoft Office programs
 - Languages: English, Mandarin (AP Chinese)
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External

Eagle Scout, Troop 622 (August 2009- May 2015)

- Served in leadership positions including Patrol Leader and Senior Patrol Leader
- Led troop meetings and outings in troop of 40 scouts
- Conducted an Eagle Service Project: Installed a sprinkler system and custom cart for a non profit organization (Shadetree Nursery) that promotes more livable communities through planting and stewardship of shade trees and other nursery stock.
- Backpacked over 400 miles, climbed Mt. Whitney
- Learned to snowboard, wakeboard, rock climb, and many outdoor activities

Participant, Beginners Programming Competitions (November 2015)

- Collaborated with partner to solve programming questions in Java

High School Swim team (February 2012 – May 2015)

- Captain (February 2015 – May 2015)
- Varsity member (February 2015-May 2015)