

JAY C. LIM

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SUMMARY OF QUALIFICATIONS

A combination of specialized education and applied experience has resulted in excellent qualifications in **COMPUTER SCIENCE**. Command strong communication skills, interfacing effectively with management and co-workers at all levels. Highly organized and analytical with well-developed technical skills. Proficient at assessing requirements, setting priorities and implementing creative approaches to solve complex problems. Present a history of dependability, integrity and a strong work ethic.

Key Strengths Include:

- Strong background working in team environments.
- Superior knowledge in computer programming, advanced data structures, and algorithms.
- Leadership experience, with demonstrated talents in project management.
- Consistently meet and/or exceed established goals and deadlines.

EDUCATIONAL BACKGROUND

B.S. Degree/Chemical Engineering • University of California, San Diego (3.22 GPA)
Computer Science Minor (*Unofficial, due to rule within Jacobs School of Engineering*)

PROJECT EXPERIENCE**BLACK JACK – C++/PYTHON**

Implemented a multi-player game of Blackjack in C++ that informs players the likelihood of busting on their next draw. Tested code for memory leaks using valgrind. Integrated C++ & Python code to implement a GUI using libavg and boost library.

Source code can be accessed here: <https://github.com/jlxc106/BlackJack> (Sept-Dec 2016)

PROJECT EULER – C++/PYTHON

Solved number theory problems on projecteuler.net. Optimized run times of algorithms to run

Source code can be accessed here: <https://github.com/jlxc106/ProjectEuler> (Sept-Dec 2016)

HUFFMAN COMPRESSION PROJECT – C++

Designed a Huffman Tree using vectors and priority queues in C++. Achieved data compression rates of 57% with ability to restore original file with no data loss.

Source code can be accessed here: <https://github.com/jlxc106/HuffmanCoding> (Oct 2016)

PROFESSIONAL EXPERIENCE**ENGINEERING INTERN** • Levitation Technologies - Gardena, CA

Programmed an Arduino for sensors at this manufacturer of levitating furnishings. (Summer 2014)

CASHIER • Hong Kong Express - Gardena, CA

Accurately handled large transactions. Delivered superior customer service. (Seasonal 2010 to 2011)

TECHNICAL SKILLS

Programming Languages: C/C++ • Python • JAVA • Matlab • MySQL

Software Applications: MS Office • Google Docs • Simulink • LabView •

Operating Systems: Windows (all) • Mac OS X • Linux(Ubuntu) • Raspberry Pi(Raspbian)

Multilingual: Fluent in English & Korean • Working Proficiency in Spanish

Leadership Experience**Society of Asian Scientists and Engineers(SASE) at UCSD** – President/External Vice President

Led a team of 20 students acting as officers and interns in operating a pre-professional Asian affinity group on campus. Selected as the host of the West Regional Conference and Best New Chapter and Most Improved Chapter. (2014, 2015)

REFERENCES: Available upon Request

OPEN TO TRAVEL/RELOCATION