

# Vincent Chan | Computer Eng.

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## Summary

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I'd like to help build tomorrow.

## Education

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### San Diego State University

*B.S. Computer Engineering*

Minor Computer Science, Japanese

**San Diego**

*2012–Cur.*

## Experience

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### Vocational.....

#### Cubic Corporation

**San Diego**

*Software Engineering Intern*

*Jun. 2015–Sep. 2015*

Computer Engineering intern for Cubic Transportation's Ticketing Vending Machine team.

Detailed achievements:

- Replaced hardware dependencies of programs with software emulations of hardware for testing and demo purposes.
- Created program to control emulation of hardware and the numerous states that a given hardware can be in.
- Created Macros to automate the test and diagnostics of subsystems. Implement callbacks to prepare unit testing support.
- Tailored codebase in preparation to replace in-house custom boards with off-the-shelf hardware.

#### CourseKey

**San Diego**

*Computer Engineering Intern*

*Aug. 2014–Dec. 2014*

Assist programmers in developing prototype software to demonstrate proof of concept to investors

### Miscellaneous.....

#### San Diego State University

**San Diego**

*Student Assistant*

*Feb. 2013–Cur.*

Provide assistance in technical issues regarding university SSH and email servers, or computer lab computers.

#### Links2STEM

**San Diego**

*Robotics Coach*

*Aug. 2014–Mar. 2015*

Taught children the fundamentals of engineering and problem solving through challenging them with problems to be solved through robotics

## Skills

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**Programming/Scripting:** C, C++, x86 ASM, Bash, Verilog, Python, Java, MatLab, LaTeX

**Conceptual:** Data Structures, Algorithms, Embedded Hardware, Digital Systems

**Knowledge:** Version Control, Agile Programming Methodologies, Debugging and Disassembly