

# Terry Chan

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## Software Engineer Internship

JAVA/C++ Application Development | Algorithm Analysis | Web Development

### Overview:

A UC San Diego student majoring in Computer Science with experience in algorithm analysis, web and JAVA/C++ application development, who is currently targeting an internship position in Software Engineer in order to apply learned knowledge and skills in real life and to gain more hands-on experience.

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### Personal Projects:

#### *Dictionary Application*

*January 2016*

- Goal is to look up the meaning or the translation of a word
- Implemented different data structures to store the words and algorithms for each functionality
- Analyzed the runtime and determined which data structure could perform the best
- Improvement in algorithm designing and analyzing skill

#### *File Compressor*

*September 2015*

- Goal is to compress any disk files, thereby allowing a given amount of disk space to hold more data
  - Able to compress any file into smaller size without information loss and able to restore compressed file to the original format
  - Become more proficient in application development
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### Team Project:

#### *Cruz Roja Tijuana*

*June 2016*

- Goal is to assist the Cruz Roja (Red Cross) of Tijuana in managing the emergency service system
  - Designed the architecture and identified the components of the software for the project
  - Built easy-to-use interface for access to historical and real-time data to help dispatchers and ambulance drivers make more informed decisions
  - Delivered desirable solution with implemented web application that can potentially help the situation
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### Additional Experience:

#### *Math Tutor* – Math, Science & Technology Resource Center, De Anza College

*September 2014*

- Calculus (differential, integral, multivariable, vector), Trigonometry, Algebra (I&II)
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### Skills:

Programming Languages: C, Java, C++, JavaScript, HTML, CSS, Assembly, Haskell, OCaml, Python, SQL  
Software Tools: Visual Studio, IntelliJ, Android Studio, Eclipse, MS Office, PostgreSQL, VMware, Git, Nodejs  
Operating System: Windows, Unix, Linux, OS X  
Languages: Fluent English, Fluent Chinese, Intermediate Japanese

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### Education:

#### University of California, San Diego – La Jolla, CA

*August 2015 – Present*

- B.S. Computer Science

#### De Anza College – Cupertino, CA

*September 2013 – June 2015*

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### Coursework:

- Advanced Data Structure & Object-Oriented Design
- Design and Analysis of Algorithms
- Software Engineer
- Software Tools and Techniques Laboratory
- Computer Operating System
- Programming Languages: Principles and Paradigms
- Theory of Computability
- Artificial Intelligence: Statistical Approaches
- Computer Architecture
- Design for Development