EDWARD TO

(619) 307-3746 | eto@ucsd.edu | 3840 43rd Street San Diego, CA 92105

Objective

To find an internship in order to gain real world experience as well as develop my knowledge of computer science.

Education

UC San Diego – Junior, Computer Science B.S. (Expected Graduation: 2016)

Relevant Courses

- CSE 8A & 8B: Intro to Computer Science: Java
- CSE 12: Basic Data Structures and Object Oriented Design
- CSE 20: Intro to Discrete Mathematics
- CSE 21: Math/Algorithms & Systems Analysis
- CSE 30: Computer Organization and Systems Programming
- CSE 100: Advanced Data Structures
- CSE 101: Design & Analysis of Algorithms
- CSE 140: Component & Design Tech/Digital Systems

Technical Skills

- **Programming Languages**: C/C++, Java, Assembly, HTML, PHP
- **Operating Systems**: Windows, Unix, MacOS

Course Projects

Myls (Fall Quarter 2013)	- Constructed a program that simulated the "ls" command on Unix as well as the flags that go along with it - Written in both C and Assembly - Gained experience in both the C and Assembly language as well as memory management
Boggle (Fall Quarter 2014)	- Implemented the back-end logic of a boggle game to determine if a word is on the Boggle board - Written in C++ - Gained experience in working with k-ary trees and algorithms for efficient tree traversal
Huffman Coding (Fall Quarter 2014)	- Compressed and decompressed a file without losing data using Huffman Tree - Written in C++ - Gained experience in working with creating and traversing a Huffman Tree as well as encoding and decoding a file based off of the tree

Extracurricular Activities

Circle K International – University of California, San Diego Kiwanis Family Chair

- Made connections between all of the Kiwanis Family Groups
- Hosted service projects and socials with all of the Kiwanis Family Groups