**EDWARD TO**  
(619) 307-3746 | eto@ucsd.edu | 3840 43rd Street San Diego, CA 9210

**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**

* 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

**Myls**

(Fall Quarter 2013)

* 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

**Boggle**

(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

**Huffman Coding**

(Fall Quarter 2014)

**Extracurricu**l**ar Activities**

Circle K International – University of California, San Diego Kiwanis Family Chair (2013 – 2014)

* Built relations with the other branches of the Kiwanis Family by hosting service projects and

socials

* Led a committee to host a large scale high school conference