

# Anthony L. Tung

[altung@umich.edu](mailto:altung@umich.edu) – 248.756.2231

Novi, MI 48374

<http://www.altung.github.io>

---

<b>OBJECTIVE</b>	Computer science student with a strong interest in application development and software engineering. Seeking opportunities to improve technical and programming experience.	
<b>EDUCATION</b>	<b>University of Michigan</b>	<i>Ann Arbor, MI</i>
	<i>Junior in the College of Engineering, Computer Science</i>	<i>09/2014-present</i>
	<ul style="list-style-type: none"><li>▪ <b>Relevant Coursework:</b> Programming Concepts, Discrete Math, Programming and Introductory Data Structures, Data Structures and Algorithms, Introduction to Computer Organization, Foundations of Computer Science, Web Database and Information System, Matrix Algebra</li></ul>	
<b>EXPERIENCE</b>	<b>University of Michigan</b>	<i>Ann Arbor, MI</i>
	<i>Data Structures and Algorithms Final Project</i>	<i>11/2015-12/2015</i>
	<ul style="list-style-type: none"><li>▪ Coded Prim's Algorithm to solve for a Minimum Spanning Tree. Implemented 2-opt to find a fast but close estimate to the fast Traveling Sales Man Problem (TSP). Using Prim's Algorithm and the estimate, solved to find the optimal TSP weight using the branch and bound algorithm.</li></ul>	
	<b>University of Michigan</b>	<i>Ann Arbor, MI</i>
	<i>Data Structures and Algorithms Project</i>	<i>10/2015-11/2015</i>
	<ul style="list-style-type: none"><li>▪ Implemented a program to analyze a log file efficiently. Applied concepts such as using optimal data structures, hash tables, runtime and storage tradeoffs, and accessing multiple data structures to perform operations.</li></ul>	
	<b>University of Michigan</b>	<i>Ann Arbor, MI</i>
	<i>Programming and Introductory Data Structures Final Project</i>	<i>05/2015-07/2015</i>
	<ul style="list-style-type: none"><li>▪ Created and implemented an artificial intelligence to correctly play the complicated card game euchre. Applied concepts such as pointers, dynamic memory, the Big Three, classes, and the STL's.</li></ul>	
<b>SKILLS</b>	<b>University of Michigan Physics Lab</b>	<i>Ann Arbor, MI</i>
	<i>Lab Assistant</i>	<i>10/2014-04/2015</i>
	<ul style="list-style-type: none"><li>▪ Assisted PhD Physics professors alone with personal projects involving high level physic experiments and equipment. Applied professional etiquette and excellent time management to complete tasks on time.</li></ul>	
	<b>General</b>	
	<ul style="list-style-type: none"><li>▪ C/C++, HTML, CSS, Python, Git, Github, MatLab, Linux, Swift</li><li>▪ Excel, PowerPoint, Word, Adobe Photoshop, Audacity</li><li>▪ Brother of the Professional Engineering Fraternity Theta Tau</li></ul>	
	<b>Language</b>	
	<ul style="list-style-type: none"><li>▪ Mandarin Chinese: Conversational</li><li>▪ Korean: Conversational</li><li>▪ Spanish: Basic Level</li></ul>	