

School Address:  
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# Alex J. Lancaster

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965 Crabapple Drive  
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## Education

<b>University of Michigan – Ann Arbor</b>	<b>College of Engineering</b> Cumulative GPA: <b>3.91/4.00</b>	Expected Graduation: <i>May 2016</i> BSE: Computer Science Engineering
<b>Relevant Coursework:</b> Database Management Systems Introductory Logic Design Introductory Circuit Design	<i>Introductory Operating Systems</i> Data Structures and Algorithms Foundations of Computer Science Linear Algebra	<i>Web Database Information Systems</i> Introductory Computer Organization Microprocessors and Toys Discrete Math

## Work Experience

<b>Cisco Systems Inc. – San Jose, CA</b>	<i>IT Engineering Intern</i>	<i>May 2014 - Aug 2014</i>
<ul style="list-style-type: none"><li>Utilized iBeacon and Raspberry Pi to implement an Internet of Everything smart parking solution for electrical vehicles</li><li>Implemented an internal centralized source of IT knowledge with social media aspects making posting and gathering IT knowledge easier and more immediate</li></ul>		
<b>P.J. Harrigans – State College, PA</b>	<i>Lead Busser/Waiter</i>	<i>Jan 2009 – Aug 2012</i>
<ul style="list-style-type: none"><li>Interacted simultaneously with multiple customers and provided their service, cooperated with a team of chefs and restaurant employees</li></ul>		

## Projects

<b>HackIT-UP Wifi Triangulation</b>	<i>July 24<sup>th</sup> 2014</i>
<ul style="list-style-type: none"><li>Utilized wireless access points and RSSI signal strengths to triangulate a person's position in a building precise to within 2 meters</li></ul>	
<b>Matching Set (iPhone App)</b>	<i>July – Aug 2013</i>
<ul style="list-style-type: none"><li>Created a card matching game that had multiple tabs for different types of games</li><li>Designed the GUI for the app and implemented an efficient model</li></ul>	
<b>Stratego Graphical User Interface and Artificial Intelligence</b>	<i>Oct – Dec 2012</i>
<ul style="list-style-type: none"><li>Worked in a group of five to design and create a GUI for the board game Stratego</li><li>Implemented two AI agents to compete against a human user</li></ul>	

## Computer Skills

**Languages:** C++, Swift, HTML, CSS, SQL, C, Objective C (iPhone SDK), Java, Verilog HDL  
**Applications:** Microsoft Office, Xcode, Git, Multisim  
**Operating Systems:** Mac OS, Windows, Kali Linux, other Linux Distro

## Activities

<b>Michigan Programming Team</b>	<i>Sept 2014 – Pres</i>
<ul style="list-style-type: none"><li>Participate in weekly algorithmic coding competitions to prepare for The ACM International Collegiate Programming Contest and enhance my programming abilities</li></ul>	
<b>Tau Beta Pi Engineering Honors Society</b>	<i>Sept 2013 - Pres</i>
<ul style="list-style-type: none"><li>Hold a leadership position as an electee group leader where I help guide new members</li><li>Volunteer at MindSET to teach local elementary school students understand and enjoy scientific and engineering concepts</li></ul>	
<b>Special Youth Outreach Program</b>	<i>Jan 2013 - Pres</i>
<ul style="list-style-type: none"><li>Coach a soccer team that cooperates with the Special Olympics for children of various ages and disabilities to participate in a soccer tournament</li></ul>	
<b>Theta Tau Professional Engineering Fraternity</b>	<i>Sept 2012 - Pres</i>
<ul style="list-style-type: none"><li>Held leadership positions as Social Chair, Rec Sports Chair, and Web Chair</li><li>Organized and coordinated a semi formal for 60 people and weekend retreat for 50+</li><li>Managed and maintained the chapter website during the making of a new website</li><li>Volunteered for philanthropy events to benefit the local community</li></ul>	

## Honors

1 <sup>st</sup> Place in Microsoft College Coding Challenge	<i>2014</i>
Deans List	<i>Fall 12, Winter 13, Fall 13, Winter 14</i>
William J. Branstrom Freshman Prize	<i>2013</i>
17 <sup>th</sup> in nation (1 <sup>st</sup> in state) in Cisco Netriders Competition	<i>2012</i>

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