

# Weifeng Hu

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<b>OBJECTIVE</b>	Seeking a summer 2017 internship opportunity in Software Engineering or Development.		
<b>EDUCATION</b>	<b>University of Michigan – Ann Arbor, MI</b> <a href="#">Bachelor of Science in Engineering, Computer Science</a> Cumulative GPA 3.90/4.0 Major GPA 3.93/4.0 ACT 33 (Perfect in Math) <ul style="list-style-type: none"><li>• College of Engineering Class of 1935 Scholarship Recipient - \$2000</li><li>• Awards: University Honors, Dean's List, James B. Angell Scholar</li><li>• Eta Kappa Nu (HKN) Electrical Engineering &amp; Computer Science Honors Society</li><li>• Related coursework: Operating System, Web Database, Data Structures &amp; Algorithms, Computer Organization, Linear Algebra, Discrete Math, Probabilities &amp; Statistics</li></ul>	05/2018	
<b>SKILLS</b>	<b>Language</b> C/C++, C#, MATLAB, Python, Java (Android), SQL <b>Computer</b> Windows, Visual Studio, Android Studio, LaTeX, Linux (exposure) <b>IT Skills</b> Microsoft Access, Words, PowerPoints, Excel, Google Drive		
<b>EXPERIENCE</b>	<b>Gocom Information &amp; Technology LLC</b> <a href="#">Software Developer Intern</a> <ul style="list-style-type: none"><li>• Developed Railway Automatic Testing Software including TCP/IP Socket Servers in C# that improved testing efficiencies for human testers and reliabilities of the product.</li><li>• Programmed with Microsoft Access Database in C# and SQL commands that prepared data for the TCP/IP Servers to check and send within the testing system.</li><li>• Designed the Communication Protocol between two of my programs that allowed them to set up different testing conditions collaboratively.</li></ul>	Hefei, China 05/2016- 08/2016	
	<a href="#">Programmer Intern</a> <ul style="list-style-type: none"><li>• Developed a program in C/C++ according to the Software Requirement Specification that established data transfers between two railway software modules.</li><li>• Presented my code to the managers using flow charts in the code review.</li><li>• Documented my code into Software Design Specification in English and managed to obtain Safety Certification from the Technical Inspection Association (TUV).</li></ul>	05/2015- 08/2015	
<b>Research</b>	<b>Statistics and Visualization of Point-Patterns with Python</b> <a href="#">Python Research Assistant</a> <ul style="list-style-type: none"><li>• Implemented statistical methods like kernel smoothing in Python that visualized tornado landing intensities in the United States with a heat map.</li><li>• Optimized my program to visualize tornado landings of the past five decades that allowed the detection of intensity changes in the “tornado alley” of the US.</li><li>• Wrote research report in LaTeX that provided references for future members.</li></ul>	Ann Arbor, MI 10/2015- 04/2016	
<b>Projects</b>	<b>Call Me Maybe</b> <a href="#">Android Phone Application</a> <ul style="list-style-type: none"><li>• Developed an Android app that allowed users to schedule outgoing calls, messages and emails.</li><li>• Utilized implicit intents to start calling, messaging and emailing in corresponding applications.</li><li>• Programmed with JSON files that maintained data between launches of my application.</li></ul>	Hefei, China 08/2016	
	<b>SillyQL</b> <a href="#">Data Structures &amp; Algorithms</a> Developed a program in C++ that allowed users to create, modify and delete data tables using simplified SQL language.	Ann Arbor, MI 03/2016	
<b>Teaching</b>	<b>Hefei University of Technology</b> <a href="#">MATLAB Teaching Assistant – Summer 2016</a> Led two programming labs that introduced sophomores to basic MATLAB programming.	Hefei, China 05/2016	