

EDUCATION	University of Michigan – Ann Arbor.....Aug. 2008 to Present BSE in Electrical Engineering expected December 2011. GPA: 4.0 / 4.0 Engineering Courses: <ul style="list-style-type: none">- EECS 270: Intro to Logic Design- EECS 280: Programming and Introductory Data Algorithms- EECS 311: Electronic Circuits- EECS 320: Intro to Semiconductor Devices- EECS 401: Probabilistic Methods in Engineering- EECS 451: Digital Signal Processing and Analysis- EECS 452: Digital Signal Processing Design Laboratory- EECS 461: Embedded Control Systems
PROJECTS	<ul style="list-style-type: none">• (Senior Design) – Sheet Music Reader<ul style="list-style-type: none">o System takes an image of sheet music as input, applies image processing algorithms, and plays the song as an audio outputo Implemented in both Matlab and embedded platform; currently being ported to mobile phone platformo Project developed by a 5-person team over the course of a semester• Designed and implemented a 3-stage transistor amplifier circuit to meet a list of specifications• Developed adaptive cruise-control software using Matlab Simulink's Real-Time Workshop• Implemented a dynamic path-finding algorithm in C++ (both depth-first and breadth-first)
EXPERIENCE	General Motors – Milford, MI.....May 2011 to Aug. 2011 <i>Intern – Hybrid Controls</i> <ul style="list-style-type: none">• Authored test suites for regression testing of hybrid vehicle control software• Created a control software testing tool within the Matlab/Simulink environment<ul style="list-style-type: none">o Tool to be used for regression testing within entire hybrid controls group University of Michigan – Ann Arbor, MI.....Sept. 2010 to Present <i>Instructional Aide – Engr 100-300 (Music Signal Processing)</i> <ul style="list-style-type: none">• Instructed students in weekly computer lab projects involving introductory topics on Matlab and Signal Processing• Held weekly office hours to give additional aide to students Circle K – University of Michigan.....May 2009 to Jan. 2011 <i>Technology Committee Member</i> <ul style="list-style-type: none">• Worked in a four person team to develop and maintain club's website and databases• Volunteered regularly within the community
COMPUTER SKILLS	<i>Proficient with:</i> C/C++, Matlab/Simulink, Microsoft Office <i>Working knowledge of:</i> HTML, CSS, PHP, MySQL, Java, Visual Basic/VBscript