

Sara M. Monday

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- Objective:** Seeking an internship position in the Computer Engineering Field
- Education:** **Bachelor of Science in Computer Engineering, Minor in Mathematics** February 2019
Rose-Hulman Institute of Technology, Terre Haute, IN GPA 3.01/4.0
- Associate in Engineering Science** May 2016
Richland Community College, Decatur, IL GPA 3.2/4.0
- Skills:**
- Java, Arduino, C, Assembly (for the PIC16f887 and MIPs), signal processing with MATLAB
 - FPGA design in Quartus and Xilinx, PCB Design in DesignSpark, simulating circuits with OrCad PSPICE, soldering, prototyping on a breadboard
- Internships:** **Rose-Hulman Ventures**, Terre Haute, IN Summer and Fall 2018
Engineering Intern
- Modeled, simulated, tested, and debugged circuits
 - Populated prototypes on perfboard and PCBs
- Northrop Grumman**, Cincinnati, OH Summer 2017
Mission Systems Intern
- Programmed two GUIs in Java capable of interfacing with a collector
 - Designed a system from a list of requirements
 - Collaborated with a team
- Experience:** **ECE 362 Junior Design**, Rose-Hulman Institute of Technology Winter 2017-2018
- Won the Junior Design Competition with my team
 - Independently designed a PCB using DesignSpark
 - Populated the PCB with through-hole and surface mount parts
 - Developed and followed a Testing Plan for the PCB
 - Worked with a team to identify stakeholders, features, metrics, actors, I/Os, and interactions of a real-life design problem
- ECE 250 Electronic Device Modeling**, Rose-Hulman Institute of Technology Fall 2017
- Analyzed circuits containing diodes and transistors to arrive at a theoretical prediction
 - Simulated circuits using PSpice to verify the theoretical predictions
 - Built the circuits on a breadboard to verify theoretical predictions
- Leadership:**
- Rose-Hulman IEEE, *Former Secretary*
 - WOLFPAC (Women of Like Fields Passionate about Computing), *Former Treasurer*
- Honors:**
- Rose-Hulman Dean's List, *6 out of 6 academic quarters*
 - Denis Beveridge Memorial Scholarship, *two out of two years*
 - Phi Theta Kappa Honor Society, *Member*