

Eric Johnson

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EDUCATION:

- Michigan Technological University (Houghton, Michigan)
 - B.S. Computer Engineering (Expected graduation May, 2017)
 - GPA: **3.79**; Departmental GPA: **3.83**
 - Expected: Accelerated Masters in Computer Engineering (Expected graduation May, 2018)
- Xavier High School (Appleton, Wisconsin) Class of 2014 3.95 GPA

WORK EXPERIENCE:

- Plexus (May-August 2016)
 - Worked in the fields of Software, Digital, and Analog
 - Bug fixes, microprocessor selection and software prototyping for a high end refrigerator
 - Analog circuit design for new board for a high end refrigerator
 - VHDL updates to an FPGA used in a surgical generator
- CMD Corporation IT intern (May-August, December 2015)
 - Performed yearly PC lifecycle and migrated users from onsite server storage to Microsoft OneDrive.
 - Serviced IT support requests
- Herrling Clark Law Firm IT Assistant (March 2014)
 - Upgraded 40 computers to Windows 7 from Windows XP.
- Xavier High School Theatre Tech (2010-2014)
 - Worked all aspects of technical theatre including: lighting, sound, and fly system
- Xavier High School IT assistant (June-August 2013)
 - Helped maintain 450 computers through 6 schools
- CMD Corporation Computer Programmer (April 2012)
 - Developed automated routine to generate screen shots from Rockwell Automation's FactoryTalk industrial operator interface for use in documentation

SKILLS:

- Computer programming
 - Java
 - Visual Basic
 - C
 - C#
 - VHDL
 - Verilog
 - MIPS Assembly
 - Nios II Assembly
- Linux
- 3D printing experience (Prusa i3)
- 3D design (Autodesk Inventor)
- Video Editing
- Theatrical Technology
- VMware ESXI Server Management

ACTIVITIES:

- Robotics Systems Enterprise (2015-Present)
 - Developed a power management system for a buoy in Lake Superior that would shut off sensors to increase the lifetime of the buoy
 - Project Manager of Submersible Team (Fall 2016)
 - Implemented Agile Development
- IEEE Student Member (2015-Present)
 - MasterpiECE Mania (A competition where contestants build and demonstrate electronic devices)
 - 2015: Received 2nd place. Built and programmed a telepresence robot that could be remotely controlled by a computer. Motors were controlled by an Arduino connected to a smartphone
 - 2016: Attempted to create a FPGA co-processor for a computer to perform parallel computations
- Michigan Tech Sound and Lighting Services Technician/ Assistant Storeroom Manager(2014-present)
- Vex Robotics Team 536 (2010-2014)
 - Excellence Award at 2013 World Championship (Vex Robotics 2nd highest award)
 - Teamwork Award at 2013 World Championship
 - Excellence Award at regional competition (2012, 2013, 2014)