

JUSTIN MCHENRY

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An innovation oriented **Electrical Engineer** with focus and training in EMC/EMI, photonics, optics, remote sensing, design, programming, and laser technology with outstanding logic, problem solving, and spatial visualization skills.

SUMMARY OF QUALIFICATIONS

- Talented and devoted to quality assurance and building effective team relationships with strong leadership skills.
 - Conduct meticulous system analyses and reports utilizing local and external development of system performance tools and assist numerous departments in program interface and quality service.
 - Extraordinary capacity to guide projects, motivate and instruct diverse teams to achieve common goals and objectives.
 - Aptitude to identify, develop and implement technical program issues, and establish projections of required resources.
 - Adept at planning and execution of activities while maximizing return within program budget, performance, and time constraints.
 - Passionate, well rounded individual with goals and dreams inside and outside of the workplace and a desire to maintain a healthy, successful lifestyle.
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EDUCATION AND TRAINING

BACHELOR OF SCIENCE

2007

MICHIGAN TECHNOLOGICAL UNIVERSITY

Houghton, MI

Area of Study: Electrical Engineering, Photonics Concentration

PROFESSIONAL EXPERIENCE

EMC TEST ENGINEER

January 2008 - Present

TUV SUD AMERICA

Plymouth, MI

- Testing of automotive electronics to ensure equipment meets EMC specifications as laid out in documents such as CISPR 25, SAE J1113, ISO 11452, GMW 3097, and Ford AC, among others.
- Various testing of a device's Radiated/Conducted Emissions and Radiated/Conducted Immunity via Semi-Anechoic Chamber, Reverberation Tuning, Bulk Current Injection and Transients.
- Other testing includes ESD and Position Memory Robustness, among many others.

EMC OF AUTOMOTIVE ELECTRONICS (SENIOR DESIGN)

Fall 2006 - Spring 2007

JOHNSON CONTROLS, INC.: MICHIGAN TECHNOLOGICAL UNIVERSITY

Houghton, MI

- Senior design team project.
- Design of an automotive circuit to meet automotive EMC (Electromagnetic Compatibility) specifications.
- Runner-up best senior design presentation (by a margin of one vote).
- Achieved best (least noisy) design.
- Personal responsibilities included: building a LISN, design of a SMPS layout, constructing five PCBs, conduction of various tests of SMPS performance, post-processing results, stocking of parts and building a ground plane.

WAREHOUSE CLERK
MEIJER, INC.

July 2004 - January 2008
Lansing, MI

- Monitor load quality, while completing training for new employees, reporting problems to supervisor as well as progressing lanes which are behind and other assigned duties.
- Effectively trained more than 20 employees in facilitating proper warehouse functions.
- Proficient at operating machinery such as Hilos and Front-riders.

GENERAL LABOR
MICHIGAN STATE HORTICULTURE FARM

July 2003 - August 2003
Holt, MI

- Assisted with harvesting and labor in the fields to promote a profitable venture.
- Responsible for equipment preventative maintenance.

ADDITIONAL WORK EXPERIENCE

- Sales Rep., Menards, Grand Ledge, MI, May 2002 - August 2002.
- Assistant, Gleason Portrait Gallery, Bath, MI, 1999 - 2002.