

# Matthew L. Ripari

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## Objective

- To design analog or digital circuits for industry projects and applications

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## Education

University of Michigan - Ann Arbor.....Expected Graduation: April 2014

- B. S. Electrical Engineering
- Cumulative G.P.A.: 3.21/4.00
- Relevant Coursework: \*Currently enrolled

**EECS 312** – Digital Integrated Circuits\*

**EECS 451** – Digital Signal Processing\*

**EECS 320** – Introduction to Semiconductor Devices\*

**EECS 285** – A Programming Language or  
Computer System\*

**EECS 215** – Introduction to Electronic Circuits

**EECS 216** – Introduction to Signals and Systems

**EECS 230** – Electromagnetics I

**EECS 280** – Programming and Introductory Data  
Structures

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## Work Experience

**TARDEC Intern**.....(June 2012 – August 2012)

**Tank and Automotive Research, Development and Engineering Center**

Engineering Aid (Vehicle power group)

- Presented technical information at a company event
- Research in power electronics for armored vehicles
- Designed alternator efficiency tests

**Pure Thought Labs Co-Founder**.....(March 2012 – Present)

Designing and implementing mobile apps/games on the Windows Phone and Android platforms

Projects completed

- Color Coded [goo.gl/0VGw3]
- Binary Converter Pro [goo.gl/yrTmy]
- Olympic Games

**High Tech Video TV Service** Part time/ summer help.....(June 2009 – August 2011)

Technician Assistant and Customer Service Representative

- Diagnostic and repair work on Plasma/LCD/DLP and Direct View Televisions.
- Assisted customers in scheduling of in home and in shop repairs and with various other customer service needs.

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## Technical Skills

Operating Systems: Windows, Linux, Mac OS X

Programming Languages: C++, C#, Java, Assembly, Verilog

Applications: Cadence, MATLAB, Microsoft Office, Git, Visual Studio, Eclipse

Laboratory Equipment: Altera DE2 Dev Board, Digital Multimeter, Function Generator,  
Oscilloscope, Network Analyzer

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## Professional Organizations

MPowered Entrepreneurship.....(2010 – Present)

- Startup weekend team member (2010)
- Tech Team member (2010 - Present)

Engineering Society of Detroit.....(2010 – Present)

CSE Scholars.....(2011 – Present)

- Tutored EECS students (2011)

Michigan Exploration Laboratory (MXL).....(2012 – Present)

- Member of the hardware design team (2012)