

# Andy Morin

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## Skills

- Ability to write programs in C, C++, and Java programming languages
- Capable of designing, simulating, and testing electronic circuits using ngspice software
- Able to design computer hardware with VHDL, test using ModelSim-Altera and implement design on a FPGA
- Experience with using ANSYS Maxwell software to design and analyze the electromagnetic effects and properties of various materials
- Understanding of how a power plant operates and the components which of it consist
- Excellent at troubleshooting technology issues
- Strong leadership and management skill set
- Ability to learn quickly and adapt to unexpected situations
- Remains calm and focused during high pressure situations
- Professional attitude and work ethic

## Education

### Northern Arizona University

#### B.S. Electrical Engineering

Flagstaff, Arizona

Expected to graduate in the Spring of 2013

Dean's List: Fall 2009- Spring 2012

Cumulative GPA: 3.42

## Affiliations

Student branch of the Institute of Electrical & Electronics Engineers at Northern Arizona University (IEEE)

## Professional Experience

Northern Arizona University

November 2012 to Current

### Wireless Network Research Laboratory

Flagstaff, Arizona

Performing research based work under the instruction of Dr. Paul Flikkema. In the process of developing an Energy-Intelligent Hardware Abstraction Layer for embedded systems. (More to come)

Northern Arizona University

July 2011 to November 2012

**IT Systems Analyst**

Flagstaff, Arizona

Maintain and improve the technology in use at the College of Education building at Northern Arizona University. This includes installing new hardware and software, and coming up with solutions to issues as they arise to fit the needs of the students and faculty.

Arizona Public Service

May 2012 to August 2012

**Fossil Generation Engineering Intern**

Joseph City, Arizona – Cholla Power Plant

While an intern with Arizona Public Service I took on many projects including the creation of an electrical master equipment list, troubleshooting an Automatic Voltage Regulator, creating a standardized label for Sootblowers, and testing of a failed transformer.

Papa John's International

May 2008 to May 2012

**Shift Management**

Flagstaff, Arizona

In control of restaurant operations during specified shifts. Primary responsibilities included maintaining a high level of customer service, employee productivity, product quality, and cash management.

Northern Arizona University

August 2010 to May 2011

**Microprocessor and Digital Logic Supplemental Instructor**

Flagstaff, Arizona

I Led instruction for an optional lecture period for both a Microprocessor and a Digital Logic class. This includes answering questions about unclear topics that were covered in class, helping the students work through homework problems, and preparing them for exams. The class consisted mostly of first and second year students so I also provided study tips and other essentials for succeeding at Northern Arizona University.

