

# STEVEN JAMES ERDMANCZYK JR

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## EDUCATION

University of North Carolina at Charlotte, Charlotte, NC

- Master of Science in Electrical Engineering  
Embedded Systems, Robotics Expected August 2011
- Bachelor of Science in Engineering Technology  
Electrical Engineering August 2009  
GPA - 3.0 Major GPA - 3.3

## SKILLS

- Schematic circuit entry, simulation, and analysis using LabVIEW, Xilinx, MultiSim, and PSPICE
- Text Entry circuit simulation and analysis using PSPICE
- VHDL and Verilog simulation using ModelSim and Xilinx
- Knowledge of 3-phase power systems
- Embedded system design
- Programming using C, C++ and Java
- Design and analysis of low voltage analog circuits and finite state machines.
- Windows, Mac OS, Linux, Unix
- Web design using HTML, CSS, PHP, and Javascript

## PROJECTS

- Senior Design - Designed and built a robot for IEEE SoutheastCon 2009 Hardware Competition. Placed 9th out of 44 teams, earned "Most Entertaining Robot" award. First place UNC Charlotte non-industrial senior design project.
- Other - Technical projects involving power supply design, Op-amp circuit design, basic analog transistor circuit design and application, state machine design, and embedded system programming and design.

## WORK EXPERIENCE

### Technician and Support Positions

University of North Carolina at Charlotte, Charlotte, NC

02/2005-Present

Tasks included but not limited to:

- Assembly, installation, and user support of Smart Classroom systems
- Web design and maintenance
- Computer installation, providing software and hardware support.
- Communicating between departments to resolve computer issues.
  - Office of Classroom Support - 02/2005 - 02/2006
  - Department of Architecture - 02/2006 - 05/2006
  - Desktop Support Department - 05/2006 - Present

UNC Charlotte Venture Program, Charlotte, NC

2008-Present

- Worked as a staff at the climbing wall, belaying and giving advice to student climbers.
- Guided participants through outdoors high ropes course activities.

## VOLUNTEER WORK

NC JETS (Junior Engineering Technology Society)

2009-Present

- Assist in facilitating high school engineering competitions at UNC Charlotte

First Baptist Church Wadesboro, NC

1999-2002

- Leading and supporting activities for young children on missionary trips.

UNC Charlotte Campus Crusade for Christ

2006

- Assisted in clean up and rebuilding for Hurricane Katrina relief effort in Pass Christian, Mississippi.

## PROFESSIONAL MEMBERSHIPS

Member, Institute of Electrical and Electronics Engineers, Student

2009-Present

## HONORS

Eagle Scout, Boy Scouts of America

June 2004

- Led scout troop in cleaning a church cellar, designing and installing new storage shelves.
- Led initiative in getting work done and keeping younger scouts attentive and organized as senior scout member.