

## CRAIG W. PAVLICH

8234 Legare Ct.  
Charlotte, NC 28210  
(614) 354-3562  
Craig.Pavlich@gmail.com

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### EDUCATION

#### University of North Carolina at Charlotte

MS Electrical Engineering

Projected Graduation May 2012

#### The Ohio State University

BS Mechanical Engineering

June 2008

BA English Literature

March 2004

### EMPLOYMENT

#### Jacobsen Textron

DESIGN ENGINEER

Current

- Design and drafting of hybrid and traditional hydraulic industrial turf tractors
- Hybrid driveline and power implement systems simulation and architectural design

TEST ENGINEER

2008-2010

- Develop test specifications, design and implement robotic test fixtures for reliability evaluation
- Implement on-board data acquisition tools, including CAN Network message logging
- Generate test status reports, including failure decisions, analysis, and suggestions for design
- PLC and microcontroller programming, sensor and small electronics implementation

#### The Ohio State University Center for Automotive Research

Summer 2006 & 2007

CHALLENGEX HYBRID VEHICLE COMPETITION TEAM LEADER

- Computer simulation & modeling of hybrid vehicle drivetrains and dynamics (Matlab/Simulink)
- Control system optimization in simulation and application (Simulink, C)
- Sensor and electrical component application for data acquisition and controls
- Mechanical design and integration of automotive braking and drivetrain components
- Technical writing for proposals, and competition
- Founder of marketing and outreach team, public relations experience in television and print
- Budget and project manager

#### Boeringer Ingelheim Roxane Laboratories

2003-2006

QUALITY CONTROL TECHNICIAN II, SECOND SHIFT COORDINATOR

- Manager of scheduling, laboratory sampling, inspection, testing and tracking of raw incoming materials for pharmaceutical manufacturing
- Technical writing of training manuals and standard operating procedures
- Data tracking and statistical analysis
- Working within a government compliance oriented industry (cGMP, FDA compliance)

#### Greater Columbus Arts Council, Children of the Future

2001-2003

ARTIST MEMBER & TEACHER

- Americorps National Service Initiative Member
- After school arts and study program serving inner-city children ages 5-12

### ADDITIONAL SKILLS

Microsoft Word, Excel, Access, Matlab with Simulink, SolidWorks, Ansys, Minitab. High mechanical and electrical aptitude, proficient mechanic, metal and wood fabricator. Above average drawing and sketching skills, some coursework in Industrial Design. Class B Commercial Driver License.

### PERSONAL

Avid motorcycle restorer and licensed road racer. Expert skier, have visited the American and Canadian Rockies. My artwork has been co-featured in two gallery shows.