

Daniel M. Lofaro
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Education

Drexel University, Philadelphia, PA
BS/MS in Electrical Engineering, June, 2008
Electrical Engineering in Control Systems for BS and MS, GPA: 3.54

Relevant Coursework

Design with Microcontrollers	Computer Science Robot Lab (Grad)
Introduction to Antonymous Robotics (Temple)	Stochastic Systems and Processes (Grad)
Senior Control Sequence	Introduction to DSP
Computer Controls (Summer 2007)	

Computer Experience

- Platform: PC, Mac
- OS: Windows (All), Mac 10.x, Linux (Ubuntu)
- Software: Matlab, PSpice, Maple, Labview, AutoCAD, Microsoft Office
- Languages: Java, C/C++, Basic, Matlab, Assembly (For MCU), HTML
- Lab Hardware: Oscilloscopes, DMM, Function Generators, Logic Analyzer, Spectrometer
- Microcontrollers and Robotics: Basic Stamp 2, Handy Board, Pic12/16/18 MCU, Roomba, Lego Mindstorm RCX

Work Experience

Moog Component Group, Springfield, PA
Assistant Design Engineer, August 2005 to March 2006

- Temperature response testing
- Error analysis on positional and rotational Actuators
- Fault detection circuit design and implementation for positional and rotator actuators
- PCB trace verification
- Trained in Soldering

Evaporated Coatings Inc., Willow Grove, PA
Vacuum Deposited Thin Film Assistant Engineer, August 2004 to March 2005

- Design and implementation of vacuum deposited tin films for the control of optical, thermal and electrical surface properties, design using computer simulations.
- Implementation via vacuum deposition using electron beam gun.

Self Employed, Philadelphia, PA
Computer Repair and Data Recovery, August 2001 to Present

- Laptop and Desktop hardware and software repair and data recovery.

Drexel University, Philadelphia, PA
Team Captain (Freshman Design), October 2003 to May 2004

- Assistance for wheelchair bound individuals with the process of safely moving in reverse.
- Implemented via the use of a Microprocessor and an ultrasonic range finder. See the following website for the full details on the project. <http://backassist.webhop.org>

FIRST Robotics, Philadelphia, PA
Volunteer, March 2004-2007

- Setup, dismantle and repair the playing field.

Leadership and Organizations

- IEEE member
- Drexel Honors College
- KTE member (Drexel Honors Co-op)

---References available upon request---