

Daniel J. Malacarne

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Pittsfield, MA 01201

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Hadley, MA 01003

Qualifications Profile

Experience: **Electrical Engineering:** *Completed projects and related skills*

- **General Dynamics Advanced Information Systems** Pittsfield, MA.
Electrical Hardware Design Internship (Summer '03, Winter/Summer '04)
 - Assisted Operation Proofing, Design Evaluations, and Hardware Production Support for various Fire Control Subsystems.
 - Customer interaction to sell off of 2 AWIS systems
 - Wrote test procedures, tested, modified, configured, and programmed VME boards for the Attack Weapons Interface Simulator (AWIS)
 - Test hardware modification and drawing updates
 - Product trends research and graphing (SCSI hardware, Microprocessors)
 - Fuse test procedure design and implementation

Skills:

- Amplifier Design
- PIC Micro-Controller MIDI Synthesizer
- Amplitude Modulated Transmission and Reception
- Variable Output Power Supply Design
- Infrared Scanner: analog and digital circuitry design project
- SCSI Bus Hardware Design and Test

Computers:

- Proficient in C++, Assembly Programming
- Experience with MATLAB, PSpice, Visio, Word, Excel, PowerPoint, PaintShop Pro, SABER

Leadership Alpha Lambda Delta Honor Society

Activities: UMass Ski and Board Club Board Member
Intramural Team Captain for Co-ed Spring Soccer
IEEE Member

Education: **Bachelor of Science in Electrical Engineering, 2005**

University of Massachusetts, Amherst

GPA: 3.3/4.00

Completed Courses:

Introduction to C++

Circuit Analysis 1&2

Probability & Random Processes

Electronics 1,2

Fields and Waves 1,2

Semiconductor Devices & Materials

Microprocessor Lab

Signals & Systems

Current Courses:

Communication & Signal Processing

Statics

Microwave Engineering 1

Senior Design Project

Unrelated

Experience:

Pittsfield Boys' and Girls' Club ('99-'03)

R.J. Howe Drywall (summer '02)

Lifeguard/Camp Counselor ('99-'02)

Volunteer Work:

Boys' and Girls' Club Volunteer

Haigis Hoopla Volunteer

Special Olympics Volunteer

Extra-Curricular Activities:

Intramural Soccer

Intramural Football

Softball at Pittsfield Softball Complex

Berkshire County Men's Soccer League

Weightlifting

Alpine Skiing