Matthew Liebsch

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Summary: Creative electrical engineer and professional athlete who places high value on hard work, ethical values, interpersonal skills, and being a team player. Industrious with knowledge and experience ranging from concept through production.

Education:

BS, Electrical Engineering, 2006
University of Minnesota, Minneapolis, MN
GPA: **3.2**

- Institute of Technology Dean's List Fall 2006
- Student member of the IEEE

Experience:

CXC Team Vertical Limit 07/06-Present
Professional Athlete

- Training in preparation for 2010 Winter Olympic Games
- Organize and conduct free "Get Your Nordic On!" clinics
- Act as an ambassador to the sport and a role model for younger skiers
- CXC Academy: athlete perspective, online coaching, training plans
- 2009 American Birkebeiner Champion
- 2009 Bronze Medalist-US National Championships 10k Freestyle
- 2009 Pre-Olympic World Cup Team Member
- 2010 Canmore World Cup Top-30

Sauer-Danfoss, Plymouth MN 09/06 – 12/09
SMT / Quality intern / Engineering technician

- Failure analysis support of production products including quality initiatives
- Worked closely with both engineering and production
- Experience with IC testing, Automated Inspection, Functional Testing, and Product Software
- Troubleshoot failed products as well as quality/production test equipment
- Successful upgrade of Manufacturing Defect Analyzer (from TR8 to TR10 Windows XP System)

Honeywell International, Inc., Coon Rapids, MN 05/06 – 08/06
Aerospace ISC intern

- Support production floor through engineering orders, pattern fault investigations and quality reports
- Webmaster for Product Improvement Team
- Notable contributions include diode investigation for pattern fault, advanced search filter for rejection log, EDC error investigation, tolerance analysis, and design error investigation for PWB's

Computer Skills:

- Software: ViewDraw, WaveStar, PSPICE, Power World, assembly for the Motorola HC12 microcontroller, Microsoft Office Suite
- Languages: MatLab 7.01, Simulink, the Matlab controls toolbox, Mathematica

Specialized Education:

- Power Systems: Transmission Lines, Power System Analysis and Design, Power Electronics, Power System Planning and Operation
- Digital Logic: Microcontrollers, Semiconductor Devices, State Space Control and Design, Introduction of Digital Logic
- Analog Circuitry: Analog and Digital Electronic, Linear Control Systems, Circuits Laboratory, Signals and Systems