# Torben Rasmussen

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| CONTACT<br>INFORMATION | School of Electrical and Computer Engineering<br>Oregon State University | mobile: (503) 816-1968<br>rasmusto@engr.oregonstate.edu |

INTERESTS
Robotics, Quadrotor flight control, Operating systems, Microcontroller system design, C Programming, Computer networking.

EDUCATION

**Oregon State University**, Corvallis, Oregon

*Bachelor of Science, Electrical and Computer Engineering*     **2007 – present**

- GPA: 3.32
- Expected graduation: Summer 2011

ADDITIONAL ACTIVITIES

**Oregon State University Robotics Club**     **2008 – present**

- Dedicated member of aerial robotics external project. Cooperated with team to design and construct a quadrotor unmanned aerial vehicle.
- Competed in Mayagüez, Puerto Rico at the International Aerial Robotics Competition.

**Oregon State Univerity Senior Design Project**     **2010 – present**

- Designed, constructed, and programmed central control/interface board for a quadrotor UAV flight control system.
- Debugged and programmed SPI interface between different microprocessor circuitboards.
- Created serial communication protocal and interface to external PC.

PROFESSIONAL EXPERIENCE

**FEI Company**, Hillsboro, Oregon

*Intern*     **Summer 2009**

- Designed test fixture circuit for electron microscopy system interconnect board.
- Wrote software for test diagnostics of the interconnect board using C-sharp on .NET framework 3.5.

**Ascend Instruments**, Beaverton, Oregon

*Intern*     **2006 – 2007**

- Assembled and tested mechanical and electrical systems of the Xtreme Access micro-manipulator and controller.
- Documented assembly procedures for entire Xtreme Access system.
- Taught co-workers techniques for assembly, installation, and operation of micro-manipulator system.

COMPUTER SKILLS
C, C-sharp, Matlab, Linux shell scripting, Latex, Ubuntu, Gentoo, Perl, Java, AVR assembly, Vim, ZFS, Pipelined MIPS processor design.

ELECTRONICS SKILLS
Verilog, Xilinx ISE, Orcad, Eagle, Altium designer, Pipelined MIPS processor design, Oscilloscope operation, ngspice, ltspice.