

# ONDŘEJ BRUNA

Čelechovice 36, 751 03, Czech Republic  
ondrej.bruna@gmail.com • +420 777 066 296

---

## EDUCATION

- 2011 - Present      **Czech Technical University**      *PhD Student, Department of Measurement*  
Human Computer Interaction, small aircraft's safety systems. Programming.  
Design of experiments. Conducting subjective testing and data evaluation.
- Mar 14, 2014      **Nanyang Technological University in Singapore**      *PhD Student, exchange*  
Oct 14, 2014      Development of SW for autonomous boat, leading a team of students  
participating in inaugural RobotX2014 competition.
- 2008 - 2011      **Czech Technical University**      *Masters in Control Engineering*  
Diploma thesis was focused on creating a mathematical model of temperature  
inside a chemical storage tank. The thesis was based in real world situations.
- Jan 09, 2009      **Kansas State University**      *Study Abroad, exchange*  
Jul 09, 2009      Classes focused on electrical engineering and programming in Verilog and C.  
Experience with field-programmable gate array (FPGA) Altera DE2-115  
(development kit) and microcomputer with ARM7 core.
- 2005 - 2008      **Czech Technical University**      *Bachelors in Cybernetics and Measurement*  
Final thesis focused on creating a virtual reality model for a mathematical model  
of a geostationary satellite.
- 2001 - 2005      **School of Electrical Engineering**      *Secondary School, Olomouc*  
Specialization in control and automation.

## WORK EXPERIENCE

- Jun - Aug 2010      **Programmer**      *SisKon – Sistem Kontrol, Intern*  
Programming S7-200 using STEP7 – testing communication with GSM  
module Programming Siemens LOGO!
- Jan 2007 -      **Lecturer**      *AIRA group (Prague)*  
Nov 2008      Taught courses in Microsoft Word, Excel, PowerPoint and computer literacy.  
Proposed and created new outlines and new study materials.  
Designed a system for online lecture reservation - This program is still being  
used by the company and significantly simplified the administration process.
- Sep - Dec 2006      **Tester**      *Sun Microsystems, (Prague)*  
Testing UNIX Operating system Solaris.
- Sept 2005      **Technician**      *British Telecom – Martlesham Teleport*  
Satellite dish maintenance, observing control room, gathering experience in TV  
broadcasting and digital TV.
- Aug 2005      **Worker**      *MERCON (Prerov)*  
House wiring, working with electricity.
- May 2004      **Trainee**      *Precheza (Prerov)*  
Sensor calibration, measurement, programming simple Siemens LOGO!

