

# Bertrand Roussel

Le Moulin à Vent  
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FRANCE

Born 14th Oct. 1987 in Bergerac, FR (21 y.o)  
Single  
Mobile  
Driving licence

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## EDUCATION

- 2<sup>nd</sup> Sem. 2009** Computer Science and Embedded System courses
- Advanced OO programming
  - Linux for embedded systems (w/ Kernel development)
  - Augmented Reality and Computer Vision  
University of Canterbury / Christchurch (Nz)
- 2007-09** Generalist engineer course
- Low level graphic, system and network programming
  - High Performance Computing (w/ GPU programming)
  - High-frequency communication  
ISEN Toulon (FR)
- 2005-07** Integrated preparatory classes for entry into engineering schools, specializing in sciences  
ISEN Toulon (FR)
- Summer 2006** Electrical and Electronic Engineering summer course  
North East Wales Institute of Higher Education / Wrexham (UK)
- 2004-05** Scientific Baccaalaureat  
Lycée Maine de Biran / Bergerac (FR)

## PROFESSIONAL TRAINING

- 2008-09** Member of a **team** competing in the **French Robotic Cup 2009**
- Communication between **microcontrollers** by using a **CAN network**
  - User interface using a **touch screen** and an **ARM9 board**  
ISEN Engineering / Toulon (FR)
- 2008-09** **General Secretary** of a union promoting technical projects
- Creation of a corporate identity
  - Development of a portal website helping project management
  - Design of a file presenting the association  
ISEN Engineering / Toulon (FR)
- 2006** Internship in a association dealing with Mental retardation  
Les Papillons Blancs / Bergerac (FR)
- 2004-05** Creation of an association to compete in the **French Robotic Cup 2005**  
Seventeam / Bergerac (FR)

## EXPERIENCES

- 2008-09** **Consultant** in 3 missions
- Developer of a **client-server secured solution** (C++ / Boost / PHP5 / SSL)
  - Developer of a **Web application** (Asp.NET / SQL Server)
  - Developer of a website (xHTML / CSS / PHP)  
Junior ISEN-Toulon / Toulon (FR)
- 2007** **Temporary worker** in a factory as a summer job  
Polyrey / Couze (FR)

## COMPUTING

Operative systems	Integrated Environment Development
Microsoft Windows	Eclipse / Netbeans
<b>Linux</b> (Ubuntu, Gentoo, LFS)	
<b>OpenEmbedded</b>	Version Control System
	Mercurial / Git / Subversion / CVS
Software development	
<b>C / C++</b>	Computer design
Java / C#	Adobe Photoshop
<b>Qt</b> / .NET / Boost / <b>SQL</b>	Adobe InDesign
<b>CUDA</b>	Adobe Illustrator
Web applications	Office work
Asp.NET / PHP5	LaTeX
xHTML / CSS	Microsoft Office / OpenOffice.org
LAMP Server administration	

## ELECTRONICS

<b>Microcontrollers</b> development
PIC 18F / dsPIC
Cortex-A8 / ARM9 (w/ Angström Linux)
» Kernel module for an IMU using SPI
Cortex-M3 / ARM7
ST7
Analogic and numeric circuit design
Eagle / Altium Protel
» PCB for an ARM7 based CAN interface using USB and Bluetooth
» Design of the analogic part of a cardiometer
CAN networks
Ethernet TCP/IP

## SOCIAL

Association administration
Project management
Open Source enthusiast
Presentations

## LANGUAGES

French : mother tongue
English : proficient ( <b>TOEIC</b> : 970/990, <b>TOEFL</b> : 96/120 and <b>FIRST Certificate</b> )
Spanish : scholar level

Interested in music, travel and books.
Avid cinema goer.