

## Dr. Aurélien JARNO

28 years old, born on the 17<sup>th</sup> July 1980

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# Electrical Engineer

## WORK EXPERIENCE

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<b>2008-present</b>	Research engineer at <b>Centre de Recherche Astrophysique de Lyon</b> (France) Numerical simulations and electronics within the VLT/MUSE project.
<b>2004-2008</b>	<b>PhD at Centre de Recherche Astrophysique de Lyon</b> (France) Development of the numerical simulator of the VLT/MUSE instrument.
<b>March-June 2004</b>	<b>Centre de Génie Électrique de Lyon</b> (France) - Graduation project Integrability of an half-bridge power inverter using silicon carbide (SiC) lateral devices.
<b>February-July 2003</b>	<b>Centre de Recherche Astrophysique de Lyon</b> (France) - 5 1/2-month internship Automatisation of an integral field spectrograph, using an embedded PC controlled via an Ethernet link.
<b>April-July 2002</b>	<b>Dirk Fischer Elektronik</b> (Germany) - 4-month traineeship Development of a microcontroller-driven Morse keyboard and a voice recorder.
<b>Summer 2000</b>	<b>Motorola Semiconducteurs</b> (France) - 9-weeks traineeship Operator in cleanroom.
<b>July 1999</b>	<b>BOC Edwards Semiconductors</b> (United Kingdom) - 1-month traineeship Tests of vacuum pumps and analysis of the results.

## FOREIGN LANGUAGES

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<b>English</b>	Fluent (TOEIC: 900).
<b>French</b>	Native speaker.
<b>German</b>	Read, written, spoken. 6-month studies and 4-month internship in Germany.

## EDUCATION

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<b>2003-2004</b>	Master degree ("DEA") in microelectronics at the <b>École Doctorale EEA de Lyon</b> (with honours). Graduated from the National Institut of Applied Sciences ( <b>INSA</b> ) of Lyon as an Electrical Engineer.
<b>2002-2003</b>	<b>INSA of Lyon</b> , electrical engineering department.
<b>2001-2002</b>	Academic exchange in Germany, <b>Ruhr-Universität Bochum</b> , electrical engineering department.
<b>2000-2001</b>	<b>INSA of Lyon</b> , electrical engineering department.
<b>1998-2000</b>	<b>INSA of Lyon</b> , general engineering studies, European section EURINSA.

## COMPUTER SKILLS

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<b>Systems</b>	GNU/Linux, UNIX, Windows, Dos
<b>Programming</b>	C, C++, PIC, AVR, 8051 and 8086 assemblers, VHDL, VHDL-AMS, Python, Perl, Pascal, $\LaTeX$ , HTML, PHP, SQL, Labview
<b>Software</b>	ZEMAX, Cadence, Eagle, Orcad, Matlab, MySQL, Autocad

## OTHER INTERESTS

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<b>Computers</b>	Member of the Debian project: participation in the development of the Debian GNU/Linux distribution. Board member of Debian France.
<b>Electronics</b>	Participation in the French robotics cups from 1999 to 2004 with the electronics and robotics club of the INSA (ClubElek). Participation in the IDC Robocon 2003 robotics cup in Japan. Numerous personal realisations in electronics.
<b>Sports</b>	Regular diving and skiing.