



Audrey Bouxin

Mecatronic engineer
(specialized in optic)

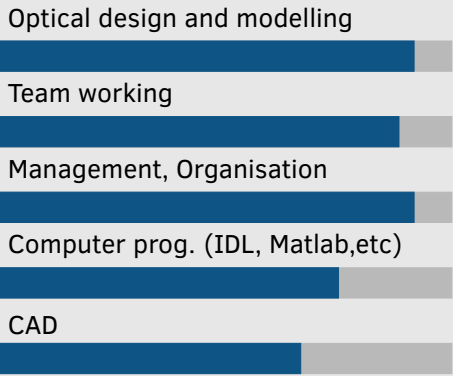
- December 17, 1989
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About me

Master of science in Mecatronics engineering specialized in astronomical instrumentation and optical design

Driving licence
Swiss resident permit C

Skills



Selling*4 waitress*3 gardening*2

(*)[The skill scale is from 0 (Fundamental Awareness) to 6 (Expert).]

interests

Scientific topics, the Universe, sport, human live being and nature.

education

- 09/2014 - 02/2017 M.Sc. Mecatronic HES-SO
Thesis on static aberrations calibration process for the DAG telescope
- 09/2011 - 08/2014 B.Sc. Microtechnical engineering HEIG-VD
Bachelor project : static aberrations determination for a telescope
- 2013 - July Summer University Ngee Ann Polytechnic, Singapore
Realtime image processing running in C and Matlab.

experience

- 09/2014 - now Scientific collaboration at the iAi institute HEIG-VD - Yverdon-les-Bains
Research and design of optical systems dedicated to astronomical telescopes and teaching assistant for optical and metrology laboratories.
- 10/2010 - 08/2011 Internship in mecatronics research CSEM - Neuchatel
CAD design, laboratory tests and 3 months at Caltech (LA) for an intervention on Keck instrument MOSFIRE.
- 2014 - April Opening ceremony welcome assistant SwissTech Center - EPFL
Welcoming and technical explanations about the new removable room of the Swiss Tech Center and presentation of ASIMO robot during the opening ceremony.
- 2005 - 2013 Student jobs France - Switzerland
Swiss space days organization, shop manager, promotion agent, seller, waitress, housekeeper, cooking assistant, animation, garden keeper and tour guide.

publications

- 2016 Co-author : Point spread function determination for Keck adaptive optics
- 2014 Co-author : Laser guide star adaptive optics point spread function reconstruction project at W. M. Keck Observatory: Preliminary on-sky results

Organization and sport experiences

- 2008 - 2010 Challenge EPFL-ETHZ - Welcoming Switzerland
Organisation and managing a 400 participants/guests event for 4 days ski/snowboard competition.
- 2009 - 2010 Les conscrits 89' Morzine - France
Many events organisation in the Aulps Valley (sport competition, live show, dinners, ...)
- 1993 - 2007 Ice skating Morzine - France
Sport-study program of ice dancing at competition level - Candidate at many French championship.
- 2006 - 2016 Sports
Snowboard, volleyball, climbing, hiking

Languages

- French Mother tongue
- English Advanced C1 - Cambridge Advanced English certificate (CAE)(corresponds to 7,5 for IELTS and 115 for the TOEFL)
- Spanish Intermediate B1
- Italian Intermediate B1