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📁 [antoinealb.github.io](https://github.com/antoinealb)

Antoine Albertelli

Education

2010–Current **BSc in Microengineering**, EPFL, Lausanne.

Employement history

2013 **Student assistant**, EPFL, Lausanne.

Student assistant for the *Computer-based engineering* course by R. Boulic

2013 **Student assistant**, EPFL, Lausanne.

Student assistant for the *Numerical Analysis* course by F. Nobile

2012 **Warehouse work**, Adecco, Vevey.

Warehouse management, including reception and sending of goods.

2011–2012 **Student assistant**, EPFL, Lausanne.

Student assistant for the *Computer-based engineering* course by R. Boulic

Activities

2008–Current **Robotics contest**, Club Vaudois de Robotique Autonome, Renens.

Took part in the Eurobot robotics contest and was qualified for European finals in 2009 and 2013. My main achievements in the contest were :

- 2009 : Control of a pneumatic system using an Arduino programmed in C.
- 2010 : Electrical and software developpement of a motor control board based on an Atmel AVR.
- 2011 : Port of the existing codebase from AVR to Altera's NIOS2 running in an FPGA.
- 2012 : Maintenance and support of existing code.
- 2013 : Project management and lead programmer of the robot.

Languages

French **Native speaker**

English **Fluent**

Computer tools

Proficient C, Git, Mercurial, Linux, Python

Known KiCAD, MATLAB, L^AT_EX, OpenGL, Assembly



Interests

- Robotics Control systems, Low-level programming, Realtime operating systems, Motion planning.
- Software engineering High reliability software, Testing methods, Team collaboration techniques