

abdelhak BOUGOUFFA

Interests in Research, Robotics, Embedded systems, Distributed systems and Real-time systems



infos

i Abdelhak BOUGOUFFA, born on 2 June 1992, Single
Serious, ambitious, organized, dynamic, collaborative
work, reliable and has a sense of responsibility.

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<https://abougouffa.github.io>



ID: A3E1AC37
GnuPG

volunteer activities

Active member of the open source community and a contributor to many open source projects.

September 2002-April 2018: Previous Boyscout (2002-2011), and Scout Leader (since 2011) [Wood Badge certified] at *Algerian Scouts*, participated in the organization of many national and regional scale events and activities.

August 2016: Represented Algeria in the Maghreb Cubs Camp (Scouts), Tunisia.

April 2013-June 2016: Teacher of Programming (using C and Python), GNU/Linux and free and open source culture at the Computer Sciences Club of the University of Boumerdes CiUB (*Club Informatique de l'Université de Boumerdes*).

December 2013-April 2015: President of the Computer Sciences Club of the University of Boumerdes CiUB.

studies

July 2017: Master in *Distributed Computing Systems* from the M'hamed Bougara University of Boumerdes (UMBB), Algeria.

Graduation project titled:

A Contribution to Simultaneous Localization and Mapping (SLAM) in an Unknown Urban Environment.

July 2015: Bachelor (Licence) in *Infotonics (InfoTronique) (Computer Sciences and Electronics)* from the M'hamed Bougara University of Boumerdes (UMBB), Algeria.

May-June 2012: Certified *Volunteer Rescuer (First-Aid Diploma)* from the Algerian Civil Defence unit of Boumerdes.

June 2011: High School Diploma (Baccalauréat) in *Technical Mathematics - Mechanical Engineering*.

experience

Since June 2018: Research Engineer within the Simu&Moto team, IFSTTAR, 14-20 Boulevard Newton, Champs-sur-Marne, France.

April-May 2018: Research Internship at the SATIE laboratory, École Normale Supérieure Paris-Saclay, Digiteo Labs, Le Moulon, Gif-sur-Yvette, France.

August 2017-May 2018: Research Engineer with the Robotics and Industrial Production division, NCRM (Navigation et Contrôle des Robots Mobiles autonomes) team, Centre de Développement des Technologies Avancées (CDTA), Baba Hassen, Algiers, Algeria.

October 2017-February 2018: Substitute teacher (Practical courses of Robotics Intelligence module), Saad Dahleb University of Blida, Algeria.

February-July 2017: Final year internship with the Robotics and Industrial Production division, NCRM team, Centre de Développement des Technologies Avancées (CDTA), Baba Hassen, Algiers, Algeria.

April 2012-January 2018: Freelancer at Upwork® [upwork.com/freelancers/~0182f6d9fd530162fb] (ex-oDesk®) as programmer, Linux systems administrator and free and open source solutions integrator with a 4.98/5.00 reputation.

languages

Arabic: Native speaker.

English and French: Fluent.

main skills

- **Operating Systems:** GNU/Linux (RedHat, Debian, ArchLinux...), MacOS et Windows.
- **Programming and system administration** of ROS (Robot Operating System).
- **Programming languages and frameworks:** C/C++, Python, C#, Node.js/JavaScript, OpenCV, CImg, Flask, GTK+, PyGTK, Qt, PyQt...
- **Embedded Systems Programming:** Assembly, Arduino, MikroC, FreeRTOS and mbed/mbed OS (worked with many microcontroller families including MicroChip, Atmel, ARM...).
- **Hardware Modeling:** using VHDL for FPGAs (Xilinx, Altera...).
- **Parallel programming:** using POSIX Threads and OpenMP on C and C++.
- **DBMS's:** SQLite, MySQL/MariaDB, PostgreSQL, MongoDB, Redis, LittleD...
- **Scientific languages and frameworks:** IPython (SciPy, NumPy, Matplotlib...), MatLab, Octave, Scilab and Maxima.
- **Code management tools and IDE's:** Git, Mercurial, QtCreator, Atom, VSCode, Visual Studio, MonoDevelop, Eclipse, Glade...
- **Integrating and maintaining the CMS's:** Wordpress, Joomla, Drupal, MediaWiki, OwnCloud...
- **Desktop and design softwares:** LaTeX, Microsoft Office, LibreOffice, OpenOffice.org, Scribus, Inkscape and GIMP.