abdelhak **BOUGOUFFA**

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

🛈 infos

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

📍 Ben Hamza City, Hammedi 35015,
Boumerdes, Algeria.

✉ contact

+33-6-22-70-80-20 📞

+213-7-93-13-30-25 📞

abougouffa@cryptolab.net @

abougouffa@fedoraproject.org @

abougouffa@cdta.dz @

github.com/abougouffa

linkedin.com/in/abougouffa in

abdelhak.bougouffa

abougouffa@jabber.org 💡

https://abougouffa.github.io

ID: A3E1AC37
GnuPG

👥 voulenteer activities

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

Since September 2002: 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 Urbain Environnement.*

July 2015: Bachelor (Licence) in *Infortonics (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 💼

April-May 2018: Research Internship at the SATIE laboratory, École Normale Supérieure Paris-
Saclay, France.

Since August 2017: Research Engineer withing the Robotics and Industrial Production division,
NCRM 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 withing 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.

langues 🅰🌐

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 lanugages and frameworks:** C/C++, Python, C#, Node.js/JavaScript, OpenCV,
CImg, Angular.js, Express.js, Flask, GTK+, PyGTK, Qt, PyQt, BeautifulSoup...

• **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, ProstgreSQL, MongoDB, Reddis, LittleD...

• **Scientific languages and frameworks:** IPython (SciPy, NumPy, Matplot...), 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.