



**Benoit Debled**  
Software and Firmware Developer

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## PERSONAL PROFILE

I am a computer programmer with a passion for the digital world, which began at a very young age. I have started by creating some websites, then moved to managing some linux servers to later be a fan of the microcontroller's world. I am currently a student in Computer Science at the University of Mons, Belgium.

## WORK EXPERIENCE

**Intern** • SEPT 2016 – NOV 2016  
@Drooney – Liege, Belgium

Conception of a low-power sensor transmitting via LoRa. During this internship, I conceived from scratch the sensor, managed the different LoRa layers (Router, Network, etc.), and also developed the database for the sensors's data and a web interface to visualize and analyze this data.

**SysAdmin** • SEPT 2016 – JUN 2016  
@Computer Science Society – Mons, Belgium

Administrator of a server running a web server and a cloud system (OwnCloud) After the creation of the Computer Science Student Organization in my university, I offered my knowl- edge to be the SysAdmin of the server. That meant installing the new server, making sure that every- thing was working well 24/7 and securing the server.

**IT Manager** • AUG 2015 – SEPT 2015  
@Group-IPS – Nivelles, Belgium

Substitution of the company's IT Manager for 3 weeks after working with him for the same amount of time. My job consisted of :

- Searching a good Windows deployment solution
- Providing a work environment for new workers by installing their laptops, creating their user account in Microsoft Active Directory, creating their mail ac- count, etc.
- IT support

**IT Summer Job** • JUL 2012  
@Sollix – Orchies, France

My job consisted of the migration of a mail system of a 50+ workers company from Zimbra to Microsoft Office 365

## PERSONAL PROJECTS

**snapClassify** Organize your photos easily!

**Aquarium Light System** Controlling an aquarium light system.

**Heat Pump Data Logger** Collecting data from sensors to obtain statistics of a heat pump.

**Alarm Clock** Wake up by a sunrise simulation and nature sounds. Built with Arduino.

**Quadcopter** Building, tinkering, flying.

## EDUCATION

2012 – 2018 **Computer Science, UMons**  
@Mons, Belgium  
MASTER'S DEGREE

2011 – 2012 **McCutcheon High School**  
@Lafayette, IN, USA  
HIGH SCHOOL

2005 – 2011 **Math & Sciences** @Tournai, Belgium  
SECONDARY STUDIES

## AWARDS

JURY PRIZE Citizens of Wallonia Hackathon  
FIRST PRIZE Inno Pepites Junior  
& 4 OTHER PRIZES with project snapClassify

## SKILLS

PROGRAMMING Java, Python, C, Arduino  
EMBEDDED AVR, nRF24LE1, Arduino  
Altium Designer  
WEB HTML, CSS, JavaScript  
DATABASES MySQL, SQLite  
OS Linux, macOS, Windows  
SERVER AWS, Debian, Windows Server  
TOOLS Git  
OTHER Networks, Data Structures, LaTeX

## COMMUNICATION SKILLS

FRENCH Native speaker and writer  
ENGLISH Fluent speaker and writer