

## OBJECTIVE

To obtain an end of studies internship (six months) in the sector of connected objects or embedded electronics (programming). Hoping to discover a new culture, I am highly-motivated.

## CONTACT

+ 33 (0)6 81 50 28 70

jonathan.malique@orange.fr

31400 Toulouse FRANCE

linkedin.com/in/jonathan-malique

## PERSONAL SKILLS

### LANGUAGES

**French:** Mother tongue

**English:** B2+ (TOEIC score 905)

**Spanish:** B1

### COMPUTING

#### SOFTWARE PROGRAMS

Android Studio

Matlab/Simulink

GIT

Eclipse

Arduino (IDE)

MS Office

**Other:** LTspice, KiCad, GNU

Emacs, IDLE (IDE), VMWare, OM2M,

GIT, Xilinx ISE, Keil and Opendaylight

#### PROGRAMMING LANGUAGES

Java

C/C++

VHDL

Unix programming

Assembly

**Other:** Matlab, Python, SQL, UML

### MANAGEMENT & ECONOMY

Project management, Economy, Marketing, Finance, Law and Communication (extra courses).

### LICENCES

**Full clean car license** (B, B1, AM)

**First aid certificate** (PSE1)

## ADDITIONAL project

### 48H pour faire vivre des idées

Collaborative challenge: answering in groups to study topics defined by companies. → Creativity, team spirit, management ◦ **2016, 2017 – INSA**

# Jonathan Malique

INSA Toulouse

## EDUCATION

- 2014 - Present ◦ **Engineering student** in fifth year – **Master of automation and electronics – Embedded systems – Innovative Smart System**  
◦ INSA – Toulouse (31) **France**

- Hardware, peripherals, microcontroller, FPGA board  
- Object oriented programming, middleware (IoT)  
- Software technology and networks, databases  
- Electronics and signal processing, control systems and automation

### PROJECTS

**OOP Project.** Smart system composed of sensors and actuators. Use of C++ code, automatic control of the temperature and light.

**Ethernet controller.** Developing an Ethernet controller respecting the IEEE 802.3 standard. Implementation in an FPGA (VHDL language).

- 2014 ◦ **A levels in Sciences with distinction, scientific option, European section (english)** ◦ Lycée Clément Marot – Cahors (46)

## WORK EXPERIENCE

- 2018 ◦ **Supervised project – Smart Home**  
Project about the IoT (OM2M platform, Android application) and the facial recognition allowing to manage everyday life activities.  
→ Project management, decision-making ◦ INSA Toulouse – **France**

- 2018 ◦ **Engineering internship – Network building and optimization, F'SATI French South African Institute of Technology** (3 months)  
- Virtual network building (routers with VMWare) on a server  
- Topology visualization (HTTP requests and Python code)  
- Shortest paths determination and optimization (Java code)  
◦ F'SATI – Cape Town (7535) **South Africa**

- 2016 ◦ **Restaurant employee** at Cap Océan (1 month)  
Dishwasher (200 people) → Organization, autonomy, rigor and efficiency  
◦ Cap Océan – Seignosse (40) **France**

- 2015 ◦ **Internship in a laboratory, Animal Health Trust** (1 month)  
Objective: To understand how the charity works through different activities (data processing in Excel and laboratory assistant).  
◦ AHT – Newmarket (CB8 7UU) **England**

## PERSONAL INTERESTS

- GEISER (INSA association, computing and electronics): organization of activities, company visits, fund-raising. ◦ **2018**

- Enfoiros (INSA association, aiding people in need for the benefit of Restos du Coeur, a French charity): food drives, concerts.  
→ Involvement, reliability and organization ◦ **2014-2017**

- Euro 2016 football championship, volunteer for Toulouse City Hall.  
→ Adaptability, understanding and sociability ◦ **2016**

- Travel: **England, South Africa, Italy, Switzerland, Antilles and Spain.**  
→ Open-mindedness, discovery of other cultures.

References available upon request