

# Nathalie BAILLON

Second year student in the engineering school Telecoms Physics Strasbourg and first year student at Imaging, Robotics and Engineering of Living Systems Master program seeking for a 3 months internship between June and September.

## PERSONAL INFORMATION

- Nationality : French
- Address:  
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## LANGUAGES

- French : mother tongue
- English : fluent
- German: intermediate
- Spanish: basic knowledge

## COMPUTER SKILLS

- Programming languages : C, C++, Java, Matlab, Assembler, Maple.
- Software : Eclipse, Codeblocks, Labview, Microsoft Visual C++, Simulink, Altair Hyperworks.
- Operating systems : Unix.
- Networking : TCP/IP, HTML, CSS.

## OTHER INTERESTS AND ACTIVITIES

- **Sports:** Cycling (champion of Moselle in 2007), horse-riding, running, snowboarding, skiing, scuba-diving.
- **Travels:** Canada, England, Wales, Denmark, Iceland, Egypt, Germany, Spain, Italy, Belgium, Luxemburg, Switzerland, Vatican.

## DIVERS

- Full clean driving license
- First aid training

## EDUCATION AND TRAINING

### 2013-present

**Imaging, Robotics and Engineering of Living Systems Master program**, University of Strasbourg, *Strasbourg, France*

### 2011-present

**Telecom Physique Strasbourg, ex-ENSPS, Engineering school**, *Strasbourg, France*

#### → Project Highlights :

- Engineering project : Developing an application in Java for **Alcatel-Lucent** using Facebook's API and OpenTouch's API with a group of 4 other students.
- IT project : developed a slot machine with Visual C++.
- IT project : modelled a genetic network in a cell with 3 other students in C language.
- IT project : simulated the depolarization in a multimode light guide in C language.

#### → Relevant Coursework :

Computer science, programming, object programming, standard template library, software development, system and network, TCP/IP, robotics, 1D and 2D signal processing, image processing, health science, digital communication, microcontroller, numerical analysis, quantum mechanics, electromagnetic waves, optics, experimental physics, electronics, computer-aided design and sensors, mechanics and biomechanics, mecatronics, mathematics, chemistry.

### 2008-2011

**Preparatory Class for entry to engineering school**, Prytanée National Militaire, *La Flèche, France*

Double degree in Science and Technology, Bachelor of Physics and Chemistry, *University of Maine*

### 2008

**French baccalaureate in Science** with honors, Lycée Robert Schuman, *Metz, France*

## WORK EXPERIENCE

### 2013 – present

**Volunteer firefighter**, *Strasbourg, France*

### 2013

**Training to become a ski and snowboard instructor at the university**, *Strasbourg, France*

### July-August 2013

**Internship as a housekeeper, Fat Salmon Backpackers Hostel**, *Port Alberni, BC, Canada*

Welcomed guests and cleaned the hostel.

### July 2012

**Internship as a production operator, Trelleborg Modyn**, *Carquefou, France*

Built, assembled and checked the quality of automobile components.

### 2007-2013

**Réservist as a sergeant in the police force**, *Nantes, France*

### 2008-2010

**Voluntary Private Tuition for high school students**, Prytanée National Militaire, *La Flèche, France*

Taught mathematics, physics and chemistry to high school students.