

# Thomas Gaudalet

## Education

---

### University of Oxford

*Master of Science*

Mathematical Modelling and Scientific Computing

Dissertation: investigated and implemented pattern recognition using multi-layer neural networks, highlighting its robustness.

**Oxford**

*2014–2015*

### École Centrale Lyon

*Engineering Degree, UK 2i Honours*

General Engineering

Developed a software designed to read multimedia files during the first year project. During the second year, studied a solution to optimise the shape of vehicle components based on the level-set method.

**Lyon**

*2011–Today*

## Experience

---

### Vocational.....

### Universidad Complutense

*Modelling week*

Studied and presented solutions to generate caplet volatility surface from dataset. The project was proposed and overseen by Banco Popular.

**Madrid**

*June 2015*

### PathControl

*Internship*

Designed and developed the PMR software interface for the company. Looked especially at the 3D representation of the wells.

**Paris**

*May 2014–August 2014*

### Keio University

*Research Internship*

Investigated the condensation behaviour of water on PTFE-based coating with an eye towards improving energy transfer. Eventually, presented the results of the study at the JSAP conference in Tokyo.

**Tokyo**

*September 2013–March 2014*

### EDF

*Internship*

Investigated the use of nano-coating and nano-fluids to improve performance and security of energy plants. Produced a revue and listing of companies offering relevant products for eventual testing.

**Moret-sur-Loing**

*May 2013–August 2013*

### Miscellaneous.....

### McDonald's restaurant

*Summer Job*

**Neuilly-sur-Seine**

*August 2012*

### Town Hall

*Summer Job, creation and upkeep of green areas.*

**Neuilly-sur-Seine**

*July 2012*

### Solidarité Jeunesse Association

*Summer Job, instructor for teenagers' summer camps.*

**Italy/Ireland**

*Summers 2008/2009*

## Languages

---

**French:** Native language.

**English:** Fluent spoken&written

## Computer Skills & Interests

---

**Skills:** Matlab, C++, Html/CSS/JS; Excel, Powerpoint; Notions of VBA, PHP.

**Hobbies:** Guitar, Tennis, Squash, Cinema, and Literature.

**Activities:** Organised fundraising event for the Téléthon charity association in 2011;  
Coordinated Handball tournament between engineering schools in 2012 and 2013.