

Julien Vaillant

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PROFILE

IT Consultant.

University of Oxford Graduate: MSc. in Mathematical Modelling and Scientific Computing.
Computer Science and Applied Mathematics Engineer.

EXPERIENCE

- 2014-present** **Graduate Java Consultant at Sopra Steria; London, United Kingdom.**
Sopra between October and December 2014; Sopra Steria from January 2015.
Part of a Digital Government Project: refactoring of the database management system.
Use of SQL, Liquibase, Java, XML.
Oracle Java SE7 Programmer 1 Exam, 1ZO-803: 90%.
BCS Foundation Certificate in Agile: 34/40.
- 2013** **Research Internship; Department of Biology of ENS Paris; Paris, France.**
Research Project in Biology: Modelling of the Movement of Two Unstructured Proteins.
- 2012** **Internship in the Department of Incoming Flows; AXA France; Val de Fontenay, France.**
- 2011 -2013** **Undergraduate Tutor in Mathematics and English; Agency Complétude; Toulouse, France.**

EDUCATION

- 2013-2014** **University of Oxford : MSc. in Mathematical Modelling and Scientific Computing;**
University of Oxford, St Edmund Hall, United Kingdom
Dissertation: *Numerical Computation of Surface Codimension.*
Case Studies: *Image Colourisation. Multi Species Interaction in Ecology.*
Mathematical Methods, Numerical Linear Algebra, Numerical Solutions of Differential Equations, Finite Elements Methods, Stochastic Differential Equations, Mathematical Models of Financial Derivatives. Full command of Matlab. Python, R, VBA.
- 2011-2014** **ENSEEIHT Institute of Engineering; Toulouse, France.**
Top-ranking Engineering School of the Toulouse Institute of Technology.
Engineering Degree in Computer Science and Applied Mathematics.
Operational Research, Probabilities, Statistics, Optimal Control, Numerical Analysis, Differential Calculus, Topology.
Java, Matlab, SQL, C, Fortran, OCaml. Object, Imperative and Functional Programming.
- 2008-2011** **Preparatory Class in Lycée Janson de Sailly (Sixth Form College equivalent); Paris, France.**
Three-year undergraduate intensive course in Mathematics and Physics.

SKILLS

Languages: Native in French. Bilingual proficiency in English: 115/120 in TOEFL exam.
Limited working proficiency in German and Spanish.
Teamwork, Communication. Microsoft Office, iWork, Open Office.

OTHER ACTIVITIES

Player in charge of the Toulouse Institute of Technology football team: handling trainings and games. Allows me to be demanding towards myself, and used to being part of a team.