



Olivier CHURLAUD

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ÉCOLE  
CENTRALE LYON



## Engineer Student

### Education

- 2014 - 2016 TU Berlin: Electrotechnic's Master Degree
- 2012 - 2016 École Centrale de Lyon: enrolled in a engineering degree
- 2010 - 2012 Elite undergrad program: lycée Pierre de Fermat in Toulouse (31), Preparation for the competitive entrance examinations to French engineering school

### Experience

#### Projects

- 2013 - 2014 **Research: Design of a node connecting WPAN and WLAN networks**  
Collaboration with the INL Laboratory (Lyon)  
*C Program - KICAD - Microcontrollers (Microchip)*
- 2012 - 2013 **President of the ECLAIR students association** (manages the network and IT for the students: more than 700 users)  
*Setup of a Cloud storage (based on ownCloud) - Design of a meta-website for the students and alumni - Network administration*  
  
**Design of a tool to measure extremely low frequency magnetic fields**  
Collaboration with the Amère Laboratory (Lyon)  
*MATLAB program - Setup of a magnetometer on a chip*
- 2009 - 2010 **Research project in particle physics with CERN and IN2P3**  
Received first prize in two science competitions (Olympiades de Physique, Faites de la Science)  
*Particle physics - Experiments - Popularization - Design of a board game on the LHC topic*
- 2008 - 2009 **Writing workshop in partnership with OuLiPo** (Ouvroir de Littérature Potentielle: group of french writers who work by choosing style and content constraints)

#### Work Experience

- 2014 **Research internship with Francesco P. Andriulli** (Télécom Bretagne) - Analysis and design of technics and tools for experiments and computation on EEG material
- 2013 **Industry internship: SNCF** - Maintenance of BB26000 engines (Technicentre SNCF Oullins)
- 2010 et 2011 **Seasonal work** - Handling in a moving firm (BIARDEAU SARL, in Niort, 79)

### Professional expertise

- Management** Head of project, team coordination, relation with administration
- Sciences** Signal processing, Filter design, Electromagnetism, Mathematics
- Computer Sciences** **Web** HTML5, CSS, PHP, MySQL, Symfony2 - **System and Network administration** Linux, Bridging, VLAN, Virtualization KVM, Apache2 - **Program** MS Access, MATLAB, C/C++, Latex
- Langues** **English** - Fluent: TOEFL 613pts (B2/C1) | **German** - Professional skills: B2 (European notation system)

### Interests

#### General knowledge

- Literature: Classics from the XIXth and XXth century and *Nouveau Roman*
- Music, Cinema: French *Cinéma d'auteur* and 40-50s american movies

#### Sport

- Mountain sports: Ski, rock climbing, hiking