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[nicard.cyril@free.fr](mailto:nicard.cyril@free.fr)

Driving license - 26 years

**EDUCATION AND QUALIFICATIONS**

**Master’s degree Material science**

|2013-2014|

Graduate school of Chemistry, Biology and Physics of Bordeaux

https://enscbp.bordeaux-inp.fr/fr

**Master’s degree Magnetic Properties Electronic Organic**

|2015|

Faculty of Bordeaux I

Specialization in R&D

https://www.u-bordeaux.fr/

**SOCIAL NETWORKS**

/cyrilnicard

**EXPERIENCES**

**ArcelorMittal - IRCP - ED 388 | 2015 - Now | PhD Student**

*Three years PhD - ArcelorMittal Research Center - Maizière-lès-Metz (57 France)*

**•** Work on “Corrosion mechanism understanding of new aluminium-based protective coating for steel” in automotive and aerospace applications.

**•** Conferences: EUROCORR Congress (Prague-2017).

**•** Project management **•** Experimental design **•** Transversal knowledge

**•** Continuous Learning **•** Industrial standards and certifications

**•** Academic and industrial interactions and communication **•** Autonomy.

**Canadian National Research Council | 2014 | R&D Scientist**

*Six months internship - CNRC research center - Boucherville (Canada)*

**•** Objective: Reduce the part of petroleum-sourced components by using   
bio-sourced lignin in a thermoset material for automotive application.

**•** Results: Material synthesized containing 10-30% of bio-sourced materials.

**•** Trial supervision **•** Quality & Security policy **•** Cross-Cultural Sensitivity.

**SAFRAN Herakles | 2013 | R&D Scientist**

*Five months internship - St-Médard en Jalles (33 FRANCE)*

**•** Objective: Adapt pyrotechnics products used in airbags to create other devices in automotive and aerospace security.

**•** Developments: New silicon based solution developed to stabilize and regulate pyrotechnic consumption.

**•** Knowledge capitalisation **•** Engineering **•** Problem Solving **•** Teamwork.

**PSI informatics | 2012 | Assembling and setup operator**

*One month internship - Bruges (33 FRANCE)*

**•** Computer assembling, software deployment, maintenance and reparation.

**•** Dead-lines respect **•** Management **•** Suppliers and customers handling.

**RELEVANT SKILLS**

**Characterisations:** **•** Microscopy (Optic, SEM, EDS) **•** Chromatography   
**•** Spectroscopy (Raman, IR, UV) **•** Thermodynamic analysis (DTA, TGA)

**•** Electrochemical testing (Cells).

**IT skills:** **•** Microsoft office (Word, Excel, PowerPoint) **•** Maple, Matlab.

**Programing: •** C++ language with OOP and Qt basics (Autodidact).

**English:** **•** Scientific and professional presentations, discussion and writing/reviewing articles.

TOEIC score: 885/990 (2014).

**French:** Mother tongue.

**INTEREST AND HOBBIES**

**Creative skills: •** Autodidact in website design and programming (http://nicard.cyril.free.fr) HTML, CSS, PHP, JavaScript, MySQL with openslassroom.fr lessons **•** 3D modelling (Fusion360) and printing(Dagoma Discoeasy200 3D printer) **•** Poster making and T-shirt design (Photoshop)   
**•** Geometric origami and paper modelling (Pepakura). **•** DIY furniture maker.

**Association:** **•** Private tutor **•** Summer camp counsellor (|2008-2014| - BAFA)

**Hobbies:** **•** Artistic works **•** Movie fan **•** Fast reader **•** Board games.

**Sports: •** Swimming **•** Climbing **•** Gym.

Cyril NICARD

PhD Student

Mobility: International / Availability: October 2018