

# Yoann Comas

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## Renewable Energy Engineer

Enthusiastic about the renewable energy sector.  
Experience with modeling software. Programming skills.

### Education

**Orinox** internal trainings 2014 - 2015  
Aveva Solutions: User and administrator training

**Polytech Clermont-Ferrand Engineering school: Clermont-Ferrand Blaise Pascal University**, Clermont-Ferrand, France 2011-2014

Master's degree in Engineering Physics

Subjects include: Mechanical engineering, Renewable energy (solar, wind, hydroelectricity, etc), Electrical engineering, Programming, etc.

University project (3 years): Continuous improvement of brushless synchronous motors of the solar car B el enos (Polytech Clermont-Ferrand)

Assignments: Command motor controller/engine, engine characterization.

Results: Creation of inductors inserted between the engine and its controller to allow the motor control, development of a protocol to characterize the engines and getting their first features

**“Lyc e G.Lussac”**, 2-year intensive engineering prep course, Limoges, France 2009-2011  
Equivalent to the first two years of university. Main subjects: Mathematics and Physics

### Technical and Language Skills

#### Computing

Softwares: AutoCAD, SolidWorks, Matlab, Aveva solutions

Languages: VBA, C, SQL, PML

#### Languages

French : Native language

Spanish : Conversational

### Work Experience

**Orinox USA** - Houston, TX May 2016 - current  
Software Engineer Consultant specialized in Aveva solutions – Company office (October 2016 – current)

- Developed a computing tool to automate new Aveva solutions project administration according to project requirements
- Wrote technical guideline
- Analyzed training manual to improve training process
- Self-trained on a new Aveva software

Offsite assignment at Bocard Life Science – Sugarland, TX (May 2016 – September 2016)

Draftsman and support to customer’s team on Aveva software administration

- Designed 3D pharmaceutical/food skid models with Aveva PDMS
- Produced skids construction drawings with Aveva PDMS and AutoCAD
- Integrated new components into the project catalog
- Provided expert Aveva software support

**Orinox France** - Aveva Solutions Consultant Administrator March 2015 – April 2016

EDF’s Thermal Engineering Center - Paris - La Defense, France

Provided expert Aveva software support

- In-depth set up of Aveva solution tools: Multi Discipline Support, E3D
- Managed Aveva Diagrams software (2D symbols catalog creation, software support, etc)
- Managed data synchronization between the engineering center and on-site facilities
- Exported 3D model to compatible Navisworks file
- Integrated new components into projects catalogs

**EDF's Hydrolic Asset Management Department**

February 2014 – July 2014

End-of-study internship – Mulhouse, France

Defined mechanical criteria leading to the revamping and/or replacement of Rhin's hydro turbine units.

Results :

- Adapted FMECA method for the assignment
- Created a method to compare the state of each hydro turbine unit according to their adapted FMECA method results

**Laboratory of Electronic Structure - University of Helsinki**

May 2013 – July 2013

Internship studying cellulose nanostructures using X-ray and Matlab technology