**Marius Peter**  
Sales Engineering Design  
Los Angeles, CA  
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Education  
 **B.S. in Aerospace Engineering** — University of California, Los Angeles

* Technical breadth in Technology & Management
* Electives: biomechanics, RFID and its application in manufacturing & supply chain
* PID Controller Design   Fluid Mechanics   Thermodynamics   Aircraft Propulsion

Work  
 **Assistant Business Analyst** — Cosmo Tech, Lyon

* Cosmo Tech publishes a Decision Support Software for complex systems (road networks, energy grids)
* Created & presented a proof of concept for Airbus’ *digital continuity* strategy using principles of Model-Based Systems Engineering
* Showcased Cosmo’s simulation capabilities for *Shop Floor Control* and *Final Assembly Line*
* Secured initial funding for a bespoke software solution developed for Airbus

**Assistant Electronics Engineer** — CERN, Geneva

* Learned HDL, LabVIEW and other hardware programming tools
* Upgraded FPGA data acquisition systems from CLIs to GUIs (embedded ARM Linux)

**Engineering Intern** — Alcatel Submarine Networks, Paris

* Learned the internal workings of an international optical fiber deployment company
* Assisted the Product Line Manager in evaluating ASN’s current offering vs European competitors

Projects  
 **UCLA Design–Build–Launch** — Senior Capstone

* Model rocket design, manufacturing, testing & analysis
* Lead the manufacturing of my team’s rocket: mill & lathe, fiberglass, plywood...
* We won first place on all criteria: maximum apogee, intact payload, trajectory prediction...

**Airfoil Design Tool** — Python [www.github.com/blendoit/UCLA\_MAE\_154B](http://www.github.com/blendoit/UCLA_MAE_154B)

* Software written for the design & optimization of NACA airfoils complying with FAR 23 regulations
* Ultimate goal: develop an intuitive airfoil creation program, designed for non-technical persons

**3D Design/CAD** — Solidworks/Blender [www.deviantart.com/faquinou](http://www.deviantart.com/faquinou)

* 7 years experience in geometry modeling, texturing, rendering & visual FX

Certifications & Licenses  
 **Linux Foundation Certified Engineer** — Advanced Linux administration and engineering  
 **LEED Green Associate** — Sustainable building design, construction, and operations  
 **California M1 driving license** — Motorcycle license  
 **First Aid & infant CPR** — American Heart Association

Skills

**Computer Science**

* Microsoft Suite & LaTeX
* Languages: Verilog, MATLAB, Python, Tcl/Tk
* CAD packages: SOLIDWORKS, Blender 3D

**Systems & Industrial**

* UML, SysML, BPMN
* AnyLogic, SIMPROCESS, MEGA HOPEX

**Languages**

* Native: French, English
* Proficient: German
* Intermediate: Chinese (Mandarin)