MARIUS PETER

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Education

2014–2019   **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

Work

Sep.–Dec. 2017   **Assistant Business Analyst** Cosmo Tech, Lyon

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

June–July 2015   **Assistant Electronics Engineer** CERN, Geneva

- Learned HDL, LabVIEW and other hardware programming tools
- Assisted my team in a CERN-wide upgrade from CLIs to GUIs for FPGA data acquisition systems (embedded ARM Linux)

Apr.–May 2012   **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, which won first place amongst all undergrad engineering teams

Airfoil Design Tool (Python)

- Software written for the design & optimization of NACA airfoils complying with FAR 23 regulations
- Available at `www.github.com/blendoit/UCLA_MAE_154B`

3D Design/CAD (Solidworks/Blender)

- 10 years experience in geometry modeling, texturing, rendering & visual FX
- Blender 3D renders at `www.deviantart.com/faquinou`

Skills

Computer Science	**Systems & Industrial**	**Languages**
- Microsoft Suite & LaTeX	- UML, SysML, BPMN	- Native: French, English
- Languages: VHDL/Verilog, MATLAB, Python, Tcl/Tk	- AnyLogic, SIMPROCESS, MEGA HOPEX	- Proficient: German
- CAD packages: SOLIDWORKS, Blender 3D		- Intermediate: Chinese (Mandarin)