

MARIUS PETER

Sales ★ Engineering ★ Design

Los Angeles, CA

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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

- 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

June–July 2015 **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)

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

Apr.–June 2019 **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...

Apr. 2019–Pres. **Airfoil Design Tool** — Python 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

2012–Pres. **3D Design/CAD** — Solidworks/Blender www.deviantart.com/faquinou

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

Certifications & Licenses

Mar. 2019 **LEED Green Associate** — Sustainable building design, construction, and operations

Mar. 2017 **California M1 driving license** — Motorcycle license

Feb. 2016 **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)