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
- 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`
- 10 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)