

# 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

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## 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

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## 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](https://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](https://www.deviantart.com/faquinou)
- 7 years experience in geometry modeling, texturing, rendering & visual FX

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## 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

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## 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)