

# MARIUS PETER

Los Angeles, CA  
mpeter@ucla.edu / +1 818 284 3757

## Education

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### 2014–2019 — University of California, Los Angeles

#### B.S. in Aerospace Engineering

- Technical breadth in Technology & Management
- Electives: biomechanics, RFID and its application in manufacturing & supply chain

## Work

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### Sep.–Dec. 2017 — Cosmo Tech, Lyon

#### Assistant Business Analyst

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

### June–July 2015 — CERN, Geneva

#### Assistant Electronics Engineer

- 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 — Alcatel Submarine Networks, Paris

#### Engineering Intern

- 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

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### 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

- Software written for the design & optimization of NACA airfoils complying with FAR 23 regulations
- Available at [www.github.com/blendoit/UCLA\\_MAE\\_154B](http://www.github.com/blendoit/UCLA_MAE_154B)

### 3D Design/CAD

- 10 years experience in geometry modeling, texturing, rendering & visual FX
- Blender 3D renders at [www.deviantart.com/faquinou](http://www.deviantart.com/faquinou)

## Certifications & Licenses

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- 03/2019 — LEED Green Associate (sustainable building design, construction, and operations)
- 03/2017 — California M1 motorcycle license
- 02/2016 — AHA First Aid & infant CPR

## Skills

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### Computer Science

- Microsoft Suite & L<sup>A</sup>T<sub>E</sub>X
- Languages: VHDL/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)