Marius Peter

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Education

2014–2019 — University of California, Los Angeles

B.S. in Aerospace Engineering

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

Work

Sep.–Dec. 2017 — Cosmo Tech, Lyon

Assistant Business Analyst

- Learned a C-suite Decision Support Software for complex systems (road networks, energy grids)
- Elaborated a Proof of Concept for Airbus' digital continuity strategy
- Presented Cosmo's modeling & simulation capabilities for Shop Floor Control and Final Assembly Line

Jan. 2016– Jan. 2019 — UCLA Athletics, Los Angeles

Customer Service Representative

- External Customer Service: cashier and UCLA Athletics PR
- Internal Customer Service: supply chain optimization, team building, inventory

Jun.–Jul./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)

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 out of 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`

3D Design/CAD

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

Certifications & Licenses

- 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

Computer Science

- Microsoft Suite & LaTeX
- Languages: VHDL/Verilog, MATLAB, Python
- Systems engineering: UML, SysML, BPMN
- Industrial engineering: AnyLogic, SIMPROCESS, MEGA HOPEX
- CAD packages: SOLIDWORKS, Blender 3D

Languages

- Native: French, English
- Proficient: German
- Intermediate: Chinese (Mandarin)