

MARIUS PETER

Sales ★ Engineering ★ Design

Los Angeles, CA
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Education

B.S. in Aerospace Engineering — University of California, Los Angeles **2014–2019**

- Technical breadth in Technology & Management
- Electives: biomechanics, RFID and its application in manufacturing & supply chain
- PID Controller Design • Fluid Mechanics • Thermodynamics • Aircraft Propulsion •

Work

Systems Test Engineer — Safran Aerosystems, Los Angeles **Nov. 2019–Pres.**

- Created the initial proposal for a novel water system onboard a supersonic business jet
- Autonomously designed and constructed a test rig for a water & waste system
- Supported the Predictive Maintenance program for highly stressed rotary equipment (vacuum generators...)

Assistant Business Analyst — Cosmo Tech, Lyon **Sep.–Dec. 2017**

- 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
- Applied 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

Assistant Electronics Engineer — CERN, Geneva **June–July 2015**

- Learned HDL, LabVIEW and core concepts of hardware programming and data acquisition
- Upgraded FPGA data acquisition systems from CLIs to GUIs (embedded ARM Linux)

Certifications & Licenses

Linux Foundation Certified Engineer **Dec. 2020**

LEED Green Associate **Mar. 2019**

Skills

Computer Science

Microsoft Suite & L^AT_EX
Verilog, MATLAB, Python, Tcl/Tk
SOLIDWORKS, Blender

Systems & Industrial

UML, SysML, BPMN
AnyLogic, SIMPROCESS
LabVIEW

Languages

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