

Simon Duthoit

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EDUCATION

University of Oklahoma, Norman, OK

Master of Science in Electrical and Computer Engineering, May 2018 (GPA: 3.67/4.00)

Relevant courses: EM Waves and Propagation, Antennas, Phased Array Antennas, Flight Controls, Nonlinear Systems

Polytech' Lille (University of Lille 1), Lille, France

Master of Science (Diplôme d'Ingénieur) in Electrical and Computer Engineering, July 2015 (GPA: 15.99/20.00)

Relevant courses: OS & Networks, C/C++, Electronics, Circuits, Power Electronics, Linear Systems, Microprocessors, Digital Signal & Image Processing

Toulon-Var Institute of Technology (University of Toulon), La Garde, France

2-year Technology Degree in Electrical and Computer Engineering, July 2012 (GPA: 15.85/20.00)

WORK EXPERIENCE

Advanced Radar Research Center, University of Oklahoma, Norman, OK

Graduate Research Assistant, August 2015-Present

- Characterization and calibration of radars using drones: participated in the development of the custom platform; created an automated system to prove the concept, comprising a commercial drone and a probe antenna, a power spectrum analyzer, and an antenna on a turntable (**published**)
- Atmospheric thermodynamical measurements using drones: created an automated test bench to characterize the propeller wash profile and the best sensor location under the drone; created a custom sensor package cheaper than the available commercial solutions

Advanced Radar Research Center, University of Oklahoma, Norman, OK

Intern, March 2015-July 2015

- Robotic scanner for thermal, surface and RF characterization of antenna arrays: created a first working prototype consisting of a 6-axis robotic arm, a network analyzer, an infrared thermal camera, an antenna probe and an environmental chamber that automatically takes measurements of an antenna under test (**published**)

Technord France, Villeneuve d'Ascq, France

Intern, April 2014-July 2014

- Migration of a SCADA system for Lactalis Group from Intouch 7.11 to Wonderware 2012 R2: adapted and added GUIs and VBA codes from the old solution to fit the new software

Var Department County Council, La Seyne Sur Mer, France

Intern, April 2012-June 2012

- Programmed network switches and implanted the solutions in various locations of the Var department

RELEVANT SKILLS

- Excellent communication skills in English and French, able to read, speak, write, and translate
- Able to adapt to new situations successfully and quickly, because of living in three different countries (France, Belgium, USA)
- Team player used to being involved in interdisciplinary projects
- Problem-solving skills and knowledge in different areas of the ECE field, demonstrated through my education and work experience
- Strong programming skills: C, C++, VBA, Python, Labview, Matlab

AWARDS AND ACHIEVEMENTS

- First author of a conference publication, co-author of another
- Ranked second best student in my class both at Polytech' Lille and Toulon-Var Institute of Technology