

**Testimony of Dominic Albertson**  
Undergraduate student, University of Sydney,  
Australia

Research internship at ISAE-SUPAERO,  
Toulouse, France.

**Topic:** *System engineering for nano satellite*



**Department of Aerospace Vehicles Design and Control (DCAS)**

**Dominic Albertson** is 20 years old too and he is in this fourth year Bachelor of Science, majoring in Physics, and Bachelor of Aerospace Engineering, majoring in Space engineering, at the University of Sydney:

*“I've always wanted to live overseas. ISAE-SUPAERO and Toulouse in general, has a great reputation in space engineering. My internship was to develop software and firmware for a Structural and Thermal Model of a cubesat bus with CSUT, (Centre Spatial Universitaire de Toulouse). Aside from the great experience of living and working in a new country and culture, being part of a long term project and working within an engineering group has been fantastic. From a technical perspective, I've learnt a lot about software development, interfacing and systems engineering. Moreover, I learnt a lot of non-technical skills, just by being within CSUT and ISAE-SUPAERO and working with my supervisor, Matthieu Compin. I hope to work in the space industry in Europe or Australia”*

*“Dominic designed and implemented the firmware that reads the temperature measurements and pilots the heaters, as well as a control interface allowing for an operator to run test scenarios on the model and log and analyze the results”.*

**Matthieu Compin, supervisor Chief Technology Officer of the CSUT.**

*“Dominic and Chemal were chosen among a lot of student who sent very good level application files and they have contributed to our Cubesat projects and space tools. We have appreciated their work and their results that will be very useful in the future”*

**Professor Bénédicte Escudie, head of the CSUT.**