

# CURRICULUM VITAE

## David Bernacchia

### **07/2020 – current**

Research fellow at Alma Mater Studiorum – University of Bologna within Radio Science and Planetary Exploration Lab.

Topic: Support to the activities of scientific operations for the radio-science experiment MORE (Mercury Orbiter Radio-science Experiment).

### **09/2019 – 03/2020**

Research scholar at Information Sciences Institute - University of Southern California (ISI-USC), Los Angeles, California, USA, within Space Engineering Research Center (SERC).

Worked focused on the development of a thrust vectoring system for a lunar lander simulator.

### **2017-2020**

Master's degree in Aerospace Engineering at Alma Mater Studiorum – University of Bologna.

Thesis: "Design of Thrust Vectoring attitude control system for Lunar Lander flying testbed".

Intenship: "Coloured noise simulator for radiometric observables in orbit determination".

Graduation mark: 110/110 cum laude

### **2014-2017**

Bachelor's degree in Mechanical Engineering at University of Perugia.

Final project in internal combustion engines.

Graduation mark: 110/110 cum laude