

JULIEN GRAVE

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PROFESSIONAL EXPERIENCE

Thales DMS France SAS | Elancourt, France August 2016 – November 2019

Product Owner on a multi-platform aerospace system

- Translated high-level business requirements into functional requirements and testing (SW, FW, HW).
- Designed new functionalities on an existing product, experience from concept through to production.
- Elaborate different product roadmaps to help high ranking management decide which strategy to follow.
- Mentored 8 new engineering team members.

Business analyst on a multi-platform aerospace system

- Conducted investigation sessions to understand the weaknesses of the integration and testing process.
- Recommended, planned and implemented a new testing strategy which reduced integration costs by 30% while improving product quality for end-user leading to a decrease of items returned by the customer.
- Designed and implemented product metrics to help product validation.

Thales Alenia Space | Cannes, France

November 2013 – August 2016

Advanced Project - Spacecraft System Engineer

- Managed feasibility studies to adapt existing spacecraft products to customer's needs.
- Managed to get a budget to investigate on a business opportunity I had identified.
- Collaborated with multidisciplinary and remote teams – filed patent application with U.S. Patent and Trademark Office on solar arrays mechanism.
- Facilitated design concurrent and collaborative engineering sessions.
- Provide technical lectures on Science and Observation spacecrafts and market to non-technical teams.

TEACHING EXPERIENCE

ISAE Supaéro | Toulouse, France

March 2015 – March 2019

Guest lecturer

- Taught graduate students collaborative and concurrent engineering technics.

Sainte Geneviève | Versailles, France

September 2010 – April 2012

Physics examiner

- Trained undergraduate students for the national competitive exam – at the rate of 6 students per week.

INTERNATIONAL WORK EXPERIENCE

University of California Santa Cruz | Santa Cruz, CA

April 2012 – August 2012

Astrophysics Internship with Professor J.X Prochaska

- Analyzed 50 X-ray observations data to understand motion of gas around galaxies.
- Provided regular updates during team weekly meetings.

EDUCATION

Ecole Polytechnique | Palaiseau, France | *M.Sc multi-disciplinary (emphasis on Mathematics-Physics)* September 2013

ISAE Supaéro | Toulouse, France | *M.Eng Aerospace* September 2013

Sainte-Geneviève | Versailles, France | *classes préparatoires Mathematics-Physics-Engineering* July 2009

SKILLS AND LANGUAGES

Technical: MS Office (including Excel), Model System Based Engineering (Capella), DOORS

Languages: French : native speaker, English : fluent

INTERESTS

Karate-Do | Theater | Literature