

JULIEN GRAVE

1409 East 62nd Street | Chicago, IL 60637 | 773-236-3622 | julien.grave@polytechnique.org

PROFESSIONAL EXPERIENCE

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

Product Owner (or Product architect) of an aerospace system

- Planned, scheduled and drove a project to rise the technological readiness level of an aerospace product
- Wrote project breakdown structure and related statements of work
- Communicated regularly with stakeholders on the risks and deviations to baseline and mitigations plans
- Elaborated a prospective product roadmap to maximize synergies between projects
- Trained 8 new engineering team members on the product functions
- Designed in collaboration with other product owners the implementation of two new system functions of the product so that our respective products could interact efficiently on-board

Business analyst of the Integration, Verification, Validation and Qualification process (IVVQ) of an aerospace system

- Identified the weaknesses of the IVVQ process and how to improve it through internal workshops
- Recommended a new process and presented it at an high-executive level who decided to implement it.

Thales Alenia Space | Cannes, France November 2013 – August 2016

Advanced Project - Spacecraft System Engineer

- Managed technical projects (phase A) to help State Agency analyze the feasibility of a spacecraft mission
- Identified a business opportunity and was thus allowed to manage an ideation and scope study with a budget of \$100,000
- Collaborated with multidisciplinary and remote teams – filed patent application with U.S. Patent and Trademark Office on solar arrays mechanism.
- Facilitator during design collaborative engineering sessions.
- Gave public speeches about Science and Observation spacecrafts and market to non-technical teams.

TEACHING EXPERIENCE

ISAE Supaéro | Toulouse, France March 2015 – March 2019

Guest lecturer

- Gave joint-lectures on collaborative engineering to graduate students

Sainte Geneviève | Versailles, France September 2010 – April 2012

Physics examiner

- Trained undergraduate students for the French national competitive exams to the *Grandes Ecoles*

INTERNATIONAL WORK EXPERIENCE

University of California Santa Cruz | Santa Cruz, CA April 2012 – August 2012

Astrophysics Internship with Professor J.X Prochaska

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 | *French classes préparatoires Mathematics-Physics-Engineering* July 2009

SKILLS AND LANGUAGES

Technical: MS Office and MS Project, Trello, Model System Based Engineering (Capella), DOORS

Languages: French : native speaker, English : fluent

INTERESTS

Karate-Do | Theater | Literature