

KEVIN GRUETTERS

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EDUCATION

Embry-Riddle Aeronautical University

Bachelor of Science Aerospace Engineering, Astronautics Track
Expected 2030

Daytona Beach, FL
Fall 2026 -

Cologne International School

International Baccalaureate Diploma Programme

• IB Diploma: 39/45; Higher Level: Physics HL 7/7, Mathematics AA HL 7/7, Computer Science HL 6/7.

Cologne, Germany
2024 - 2026

PROJECTS

Spacer - AI Operations Platform

2026 - Present

Co-Founder / Software Engineer

- Co-founded Spacer and built the core system that pulls evidence from company tools, cites its sources, respects user permissions, and tracks operational issues through resolution.
- Built and maintain production code across React/Vite, Express, PostgreSQL/pgvector, pg-boss, Better Auth, and source-grounded LLM/RAG retrieval.
- Working with a ~30-person property-management company on a read-only pilot that compares operational data against source documents in Google Workspace.

Storinator - Modular Automated Storage System

2026 - Present

Mechanical Design / Robotics Prototype

- Designed and additively manufactured a modular rack-and-pinion carriage around an aluminium frames; developed a motion system that can move both vertically and horizontally along a wall.
- Engineered an extrusion-capturing guide shoe for vertical and horizontal travel switching

Large-Scale Aerospace Additive Manufacturing

2024 - 2026

Independent Aerospace Prototyping

- Built and iterated 50+ FDM-printed aerospace models, including a 8ft real life rocket replica; planned part segmentation, interfaces, print orientation, and assembly sequencing for large-format builds.
- Iterated printer calibration, tolerances, material use, slicer settings, and print scheduling through repeated failure analysis and rapid fabrication.

EXPERIENCE

Rheinmetall Aviation Services GmbH

Weeze, Germany

Process Engineering Intern, F-35 Program

Jun 2026 - Jul 2026

- Optimized manufacturing work instructions and structured production/logistics workstations to 6S standards for F-35A center-fuselage production.
- Helped implement new production flows and supported repair planning, FOD prevention, production control, and quality inspection for F-35A manufacturing.
- Used the company ERP in process-engineering work, including production and repair-order workflows, while working across engineering, manufacturing, and logistics.

Smurfit Kappa GmbH

Dusseldorf / Bruhl, Germany

Operations & Data Intern

Jun 2023

- Rotated through IT, sales controlling, planning, processing, and sales; supported data modeling, reporting, machinery workflows, and workplace computer configuration.

ENGINEERING TEAMS

Baja SAE | Embry-Riddle Aeronautical University

Aug 2026 - Present

Brakes & Steering Team Member — Owning the Brake Light Fixture's

Experimental Rocket Propulsion Lab (ERPL) | Embry-Riddle Aeronautical University

Aug 2026 - Present

Member — fluids and propulsion team member

TECHNICAL SKILLS

CAD & Mechanical: SolidWorks, CATIA V5, Fusion 360; parametric solid modeling, assemblies, tolerance-driven design

Manufacturing: FDM 3D printing, rapid prototyping, mechanical assembly, machining fundamentals

Software & AI: TypeScript, JavaScript, Python, React, Node.js, PostgreSQL, Docker, Git/GitHub, LLM/RAG systems

Process Engineering: work instructions, Lean/6S, FOD prevention, production workflows, ERP systems

Languages: German (native), English (native)

LEADERSHIP

Founder, Coding Club | Cologne International School

2024 - 2025

- Founded and led a weekly coding club for 12 students, introducing programming concepts through project-based learning.