

KEVIN GRUETTERS

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EDUCATION

Embry-Riddle Aeronautical University | Daytona Beach, FL

B.S. Aerospace Engineering, Astronautics Track | Fall 2026 - Expected 2030

Cologne International School | Cologne, Germany

International Baccalaureate Diploma Programme | 2024 - 2026

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

EXPERIENCE

Rheinmetall Aviation Services GmbH | Weeze, Germany

Process Engineering Intern, F-35 Program | Jun 2026 - Jul 2026

- Supported process-engineering activities for the F-35A production program, including process implementation, work-instruction optimization, 6S workplace organization, FOD prevention, production control, and quality inspection.
- Supported planning for repair orders and participated in internal engineering meetings and cross-functional coordination across manufacturing and logistics.
- Served as a key user of the ERP system and applied advanced Microsoft Office skills in process-engineering work.

Smurfit Kappa GmbH | Dusseldorf / Bruhl, Germany

Operations & Data Intern | Jun 2023

- Rotated through IT, sales controlling, planning, processing, and sales to understand industrial operations workflows.
- Supported data modeling, analysis, reporting, cutting-list creation, supervised machinery operation, and workplace computer configuration.

PROJECTS

Spacer - AI Management Platform | 2026 - Present

Co-Founder / Product Builder

- Co-building an AI management platform that ingests organizational documents and uses LLM/RAG pipelines to support company knowledge retrieval, document understanding, and workflow assistance.
- Translate customer discovery into MVP requirements; drive product direction and iterate end-to-end workflows toward pilot deployment and release readiness.

Storinator - Modular Automated Storage System | 2026 - Present

Mechanical Design / Robotics Prototype

- Designed and additively manufactured a modular rack-and-pinion carriage around T-slot aluminum extrusions; calculated tooth geometry for repeatable rack segments and tuned print tolerances for smooth meshing.
- Engineered an extrusion-capturing guide shoe for vertical and horizontal travel; completed initial unloaded bench validation and defined load-test criteria before motor integration.
- Performed architecture trade studies for wall-mounted bin retrieval, balancing actuator count, cost, modularity, safety, and maintainability; developed a preliminary BOM.

Large-Scale Aerospace Additive Manufacturing | 2024 - Present

Independent Aerospace Prototyping

- Built and iterated 50+ FDM-printed aerospace models, including a 2.4 m Starship display assembly; planned part segmentation, interfaces, print orientation, and assembly sequencing for large-format builds.
- Optimized printer calibration, tolerances, material use, slicer settings, and print scheduling through repeated failure analysis and rapid fabrication iteration.

TECHNICAL SKILLS

CAD & Mechanical Design: Fusion 360, SolidWorks; assemblies, rack-and-pinion mechanisms, constraints, tolerance iteration, extrusion interfaces; introductory CATIA V5

Prototyping & Manufacturing: FDM 3D printing, design for additive manufacturing, rapid prototyping, component sizing, BOM development, shop-floor process engineering

Programming & Data: Python, data modeling and analysis, reporting, spreadsheet workflows, LLM/RAG systems

Operations & Systems: ERP systems (key-user experience), Microsoft Office

Languages: German (native), English (fluent), Spanish (basic)

LEADERSHIP & ACTIVITIES

Founder, Coding Club | Cologne International School | 2024 - 2025

- Founded and led a weekly coding club for 8 students, introducing programming concepts and project-based learning.

Model United Nations | 2024 - 2025 | Two-time Best Delegate