

# JEORGE JOHNS

## AI Evaluation Specialist · Design Engineer

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## SUMMARY

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High-throughput AI evaluation specialist with 250,000+ evaluations at 98%+ approval rating across: OpenAI (Feather), Alphabet, HuggingFace and Microsoft FlightAcademy.ai. Expertise in adversarial red-teaming, failure mode taxonomy and rubric design. Parallel career as a mechanical design engineer leading ARCMAX Cathodic arc source at GENCOA Ltd., with self-educated fluency in plasma physics, sputter deposition, and ultra-high vacuum engineering. Specialised in evaluating frontier AI systems on engineering, physical reasoning, and technical accuracy tasks - an uncommon overlap of production engineering, technical writing fluency, and frontier LLM evaluation that few evaluators can offer.

## EXPERIENCE

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### Frontier Model Evaluator & Red-Team Specialist · *Freelance, Remote* Apr 2024 - Present

OpenAI (Feather) · Alphabet · Hugging Face · Microsoft (FlightAcademy.ai)

- Recognised as a domain-specialist evaluator for engineering and technical reasoning tasks
- Routinely staffed on reasoning, technical and long-form workstreams across all four labs concurrently.
- Specialism in adversarial prompting, failure mode taxonomy, and rubric design. Actively contributed to training and safety of frontier ML, LLM and Diffusion models (under NDA).
- Consistent allocation to advanced and red-team workstreams as a high-trust IC.

### Design Engineer · *Gencoa Ltd., Liverpool, UK* Feb 2024 - Present

- Mechanical lead and primary designer for the 'ARCMAX' cathodic arc source, from concept through commercial deployment using PTC Creo, Windchill PLM and bespoke ERP.
- Developed applied fluency in plasma physics and vacuum engineering through independent first-principles study.

### Founder & Director · *MagicFab Ltd., Liverpool, UK* Jan 2020 - Feb 2022

- Sole trader additive manufacturing: FFF Polymer and UAV Components; end-to-end CAD/CAM production and client delivery.

### Founder & Lead Project Engineer · *Radiant Aerospace, Shrewsbury UK* Jan 2015 - Feb 2017

- NewSpace startup initiative: Designed, built, and integrated unmanned aerial vehicles and bespoke autopilot systems. Full project lifecycle.

## SKILLS

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**EVALUATION:** Adversarial Prompting · Red-team Testing · Rubric Design · Failure-mode Taxonomy · LLM evaluation methodology · Multi-platform workflows · QA and factual assessment

**ENGINEERING:** PTC Creo · Windchill PLM · CAD/CAM · Vacuum & PVD systems · Plasma physics · Cathodic arc & magnetron design · FFF Additive manufacturing · UAV integration

**WRITING:** Publishing on AI evaluation methodology at [jeorge-johns.design](http://jeorge-johns.design) · Long-form prose across two literary manuscripts · Industrial design critique essays

## EDUCATION

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MSc(Eng) Product Design & Management · *Merit* · *University of Liverpool* 2023

BEng Aerospace Engineering · *2:1 (Hons)* · *University of Liverpool* 2022