

Anna Parker

ARTIFICIAL INTELLIGENCE & MACHINE LEARNING · DATA SCIENCE

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PROFILE

BSc Artificial Intelligence & Philosophy student at King's College London and former robotics engineer, seeking an AI/ML internship. AWS Certified AI Practitioner with a strong mathematical foundation and hands-on experience in Python, machine learning and time-series forecasting, and a track record of turning large public datasets into interactive, widely-read data stories. Bilingual in English and Russian.

EDUCATION

King's College London — *BSc Artificial Intelligence & Philosophy* Expected 2029
Relevant modules: Mathematics & Statistics for AI I & II · Transferred from University of Bath (BEng Robotics Engineering).
Access to HE Diploma (Engineering) — *45/45 Distinctions* Top <16%
Full distinction profile achieved by fewer than 16% of students; equivalent to A-Level Maths, Physics & Chemistry at AAA (≈ 4.0 GPA).

TECHNICAL SKILLS

Mathematics	Linear Algebra, Calculus, Probability & Statistics
Programming	Python, MATLAB, SQL, JavaScript / TypeScript, HTML / CSS
ML & Data	pandas, NumPy, scikit-learn, Hugging Face Transformers (zero-shot, bart-large-mnli), Prophet, Monte Carlo simulation, matplotlib, seaborn, Jupyter
Tools	Git / GitHub, PyCharm, OpenAI API, Next.js, Tailwind, Figma

SELECTED PROJECTS

Women in Chess — Interactive Data Story · *Codédex Staff Pick* 2025

- Analysed 545,000 FIDE players across 130 monthly snapshots (2015–2026) plus ~12,000 Chess.com profiles.
- Developed a predictive time-series pipeline using Prophet to forecast player signups, and implemented Monte Carlo simulations to model the statistical significance of the gender gap among top-rated players.
- Shipped as an interactive site (Python, Next.js, Recharts); thousands of views and an invited talk to a London chess club.

AI Slop Detector · *Codédex Monthly Challenge Winner* 2026

- Built a Python tool that scores how AI-generated a post reads, using a hybrid 50/50 ensemble of a deterministic rule engine and a zero-shot Hugging Face classifier (bart-large-mnli) to curb the false positives either method produces alone.
- Rendered shareable score cards with Pillow and won \$100 for the accompanying tutorial as a Codédex Monthly Challenge winner.

Care Leavers — Data Journalism 2026

- Built an interactive scrollytelling piece from DfE Widening Participation and UCAS datasets, showing the university access gap widens to 2% vs 13% at the most selective institutions.
- Produced 12 figures on a consistent palette using pandas, matplotlib and seaborn.

Additional: Blog Generator (OpenAI API + Python) · Palmer Penguins EDA (Jupyter) · Wind Energy (MATLAB).

EXPERIENCE

Website & Communications Director — London Women's Chess Club Apr 2026 – Present

- Led the full website redesign for an ECF award-winning community; work featured in *Medium*.
- Configured custom DNS and led the migration from Bluehost, saving the club £500 per year in running costs.

Junior Engineer — Team Bath Racing Electric 2025

- Worked with LiDAR sensor data for a top-3 Formula Student electric racing team.

Volunteer Coding Mentor — Code Club 2024 – 2025

- Taught programming to children aged 7–12.

CERTIFICATIONS

- AWS Certified AI Practitioner (2026)
- DataCamp: Data Scientist, Associate Data Scientist, Data Analyst
- Python Fundamentals · GitHub Foundations · MATLAB

LANGUAGES & INTERESTS

- English (native) · Russian (native)
- Chess — ECF rated (peak 1500); Clash of Code Legend
- Self-studying linear algebra & statistics (Think Stats) · Half marathon runner