PAULINA GERCHUK

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EDUCATION:

2021-2025: Studying BSc (Hons) Computer Science and Artificial Intelligence at the University of Edinburgh

Year 1 (all graded A): Functional Programming in Haskell and Logic, Linear Algebra, Introduction to 3D modelling, Object Oriented Programming (Java), Calculus, Computer Simulation (Python)
Year 2 (grades tbc): Algorithms and Data Structures, Data Science, Computer Systems (A), Discrete Mathematics (A), Agents and Reasoning, Software Engineering Project

2011-2021: The Lady Eleanor Holles School, Hampton, London, TW12 3HF

GCSEs: Mathematics (9), English Language (9), English Language (9), Biology (9), Chemistry (9), Physics (9), Computer Science (9), Art (9), Geography (9), German (8), Russian (A*)
A-Levels: Mathematics (A*), Further Mathematics (A*), Computer Science (A*), Chemistry(A)

EXPERIENCE:

AR Engineering Intern at Snap Inc.   **June-September 2022**
- Spent 13 weeks on the Interactive Engineering team, prototyping Augmented Reality experiences using JavaScript on the Lens Studio platform
- Produced a Snapchat Lens enabling indoor navigation through mapping a room with pattern-recognised markers and virtual persistent paths
- Presented and demonstrated my project to AR Engineering team and intern cohort (100+ people)

Hack the Burgh (University of Edinburgh hackathon)   **February 2022**
- Completed and demonstrated a project with my team, all in 24 hours
- Coded in Python using Tkinter, winning an award for the most imaginative "hackiest" hack

Applications of Neural Networks in the Arts essay   **January-October 2020**
- Used Python and Keras frameworks to program an image recognition CNN
- Wrote a 5,000-word essay with academic sources and referencing
- Achieved an A grade in the additional EPQ qualification, equivalent to half an A-Level

Morgan Stanley Technology insight day   **May 2020**
- Gained admission to competitive one-day program through an application process
- Completed Python programming task and attended lectures in machine learning and cyber security, gained insight on the role of technology in investment banks

Intern at Ebury (a leading European fintech startup)   **June-July 2019**
- Assisted data analytics, marketing, sales, and trade finance teams
- Used SQL to analyse data held in BigQuery cloud spreadsheets

EXTRA-CURRICULAR ACTIVITIES & ACHIEVEMENTS:

- InfPALS Leader, providing peer tutoring sessions and support for first-year students at the University of Edinburgh studying Informatics, 2022/23
- Head of Sponsorship at Hoppers (Diversity in Informatics), reaching out and collaborating to build relationships and host events with technology companies, 2022/23
- Space Design Competition Regional and National winner (held at Imperial College London), 2020
- CyberFirst Advanced Cyber Security course, completed 2020
- A-Level representative for Computer Science, encouraging younger students to pursue the subject

SKILLS & INTERESTS:

- Experience in Python, JavaScript, HTML and CSS, Haskell, Java, and using Figma and Blender
- Additional Languages: Russian (fluent), German (beginner)
- Piano Grade 8 with Merit, 2018
- Travelling, art, photography, 3D modelling, surfing