Igor Sterner

Cambridge Engineer, Postgraduate & Scholar

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Languages

- 🇬🇧 English (Native) ● ● ● ● ●
- 🇸🇪 Swedish (Native) ● ● ● ● ○
- 🇨🇳 Chinese (A-Level) ● ● ● ● ○
- 🇩🇪 German (Goethe B2) ● ● ● ● ○

Programming

- Python ● ● ● ● ○
- C++ ● ● ● ○ ○
- Matlab ● ● ● ○ ○
- LaTeX ● ● ● ● ○

Additional skills

- Microsoft Office (full package)
- ML Frameworks (PyTorch)
- Version control (Git)
- Operating systems (all)

References

Available on request

Education

2023–	**Pembroke College, University of Cambridge** MPhil, Advanced Computer Science
2019–23	**Pembroke College, University of Cambridge** BA & MEng, Engineering (Honours with distinction) Final year papers (1st class): machine learning, deep learning, computer vision, advanced information theory, data structures & algorithms, international business, advanced Chinese Master's thesis (1st class): Mapping Image Encoders to Large Language Models for VQA – Dissertation: Fine-grained Identification of Code-switching in German Tweets – 3rd year team project: led a team to collaborate with the Centre for Global Equality to design a gas connector adaptor for LEDC hospitals. – 2nd year team project: project managed team to design an autonomous robot running on an Arduino
Summer 2022	**Heidelberg University, International Summer School** Received grants to join students from across Europe to attend a course in German language, alongside a range of cultural seminars and excursions
2017–19	**Tiffin School, A-Levels (A*A*A*A*B)** Maths, Further Maths, Physics, Chemistry and Chinese
2012–17	**Trinity School, GCSEs (10 A*s)**, music scholar

Work experience

Summer 2021	**Junior Consultant** TNG Technology Consultancy (Remote) Developed a solution to increase the functionality of internal translator tool to support German–Hungarian, training a model in Python using Google Trax and evaluating using BLEU/ROUGE metrics
April 2021	**Spring Intern** Deutsche Bank (Remote) Spent a week discovering the company's vision for collaborative technology, such as using the Google Cloud Platform. Return intern offer received.
Summer 2018	**Robotics work experience** Imperial College London Constructed a 3D-printed robot able to solve a Rubik's Cube using a Raspberry Pi and Fusion 360 CAD software

Awards & Grants

2019–23	**IET Diamond Jubliee Scholar** Ambassador for the Institute of Engineering and Technology, including promoting engineering by giving outreach talks and hosting the online #PresentIn10 competition
2022	**A.J. Pressland Fund & Kurt Hahn Trust Scholar**
2019	**National winner, Imperial College Science Challenge**

Interests

Sport	**President, Cambridge Uni. Real Tennis Club 2022/23** An active committee member and a competitive player
Music	**Performing the cello** Grade 8 standard. Progressed to the final of the Pro Corda national chamber music festival final in 2017
Fun	**Built a bamboo bicycle over lockdowns** Won grant money to buy materials and tools