

Leo Strijbos

ljfs2@cam.ac.uk — +41 79 567 53 01 — github.com/Leo-Strijbos

Education

University of Cambridge 2024 – 2027
BA in Computer Science
Highest mark in software and security engineering.

International School Basel 2008 – 2023
International Baccalaureate Diploma, 44/45 points (Top 1% of cohort)
Computer Science Academic Achievement Award 2023

Work Experience

Incoming Founding Engineer, Briefcase July 2026 –
AI autopilot for accountants and bookkeepers.

Cofounder, The Bot Factory April 2025 – September 2025
Boutique AI automation agency serving UK businesses. Clients included property managers, commercial finance brokers and online communities.

- Designed and delivered client projects, including an end-to-end maintenance request management platform that saved a property management firm approximately 30 hours per week.
- Took charge of marketing, growing SEO to 1-2 booked meetings per week, learning to take sales calls and closing deals.

Machine Learning Research Intern, Novartis Aug – Sep 2025

- Invited back to same group.
- Conducted AI research on Bayesian modelling for dose-finding studies.
- Built a prototype tool using LLMs in an RStudio sandbox to generate and self-correct models; essentially Cursor for Bayesian inference in RStudio.
- Delivered seminar on Bayesian modelling with AI.

Machine Learning Research Intern, Novartis Sep – Oct 2023

- Designed an LLM-based system to extract structured information from clinical trial reports.
- Delivered seminar on practical applications of LLMs in clinical informatics.

What I'm currently thinking about / working on

Computational biology

I'm training models for inverse protein folding (structure-to-sequence prediction) as alternatives to ProteinMPNN.

I'm also building batching and pipeline tooling for AlphaFold for protein researchers.

Projects

OttoProp

1 of 11 teams to be invited to the Ada Ventures hackathon for £100k in funding. Built an AI intern for property managers which autonomously handles maintenance requests end-to-end, sends emails, and adds to the CRM using the LangChain agentic framework.

Malaria Detection

Built a Faster RCNN ResNet model with TensorFlow for malaria parasite detection (90% test accuracy). Integrated via Streamlit frontend.

Account Sharing Detection

Did a research project exploring the use of keystroke dynamics and clustering methods for detecting password sharing on streaming services. The core idea was if we could cluster the keystroke data of multiple users, the number of clusters formed should approximate the number of unique users. Built and tested the system on 40 participants, but found keystroke patterns to be too similar to distinguish.

Other

Languages

English

Dutch

German