

# gavin leech

## experience

g@gleech.org  
Site  
Scholar  
Twitter  
Github  
LinkedIn

## interests

getting into things,  
metascience,  
failures of reasoning,  
failures of reasoning  
about reasoning,  
lists.

2021 – Now	<b>Founder</b>	ARB RESEARCH
	Leading a research consultancy on AI, forecasting, and scientific questions.	
2022 – Now	<b>Research Associate</b>	ALIGNMENT OF COMPLEX SYSTEMS GROUP
	Comms and concepts at Charles University: formalising AI & other systems.	
2021 – Now	<b>Head of Camp</b>	EUROPEAN SUMMER PROGRAM ON RATIONALITY
	Experiential education of gifted students: hiring, curriculum, teaching, evals	
2022 – 2023	<b>Strategic Advisor</b>	SCHMIDT FUTURES
	Led a study of AI economics and immigration; briefed the UK Cabinet Office.	
2020 – 2022	<b>Researcher</b>	EPIDEMICFORECASTING.ORG
	Modelled Covid; led a major study from data collection to journal acceptance	
2016 – 2019	<b>Data Scientist</b>	AXA INSURANCE
	Actuarial pricing, image recognition, tooling, etc. Tech lead for a team of 5.	

## awards

- Schmidt Futures International Strategy Fellow (2023)
- SIPS commendation for work on the replication crisis (2023)
- Emergent Ventures grant for general career support (2021)

## publications

- Ten Hard Problems in AI We Must Get Right (2024)
- Steering language models without optimization (2023), ICML
- Mass mask wearing reduces Covid transmission (2022), PNAS
- Nonpharmaceutical interventions against Covid (2020), Science
- How robust are Covid estimates? (2020), spotlighted at NeurIPS

## education

### PhD Artificial Intelligence, University of Bristol

Probabilistic programming, computational logic, Covid modelling, metascience, ML safety.  
Thesis: *Methods Failing the Data, Data Failing the Methods*. June 2024 finish.

### MSc Software Development, University of Glasgow. 82% GPA.

Converted to code. Algos, assembly, cryptography, safety-critical systems, UX.  
Thesis: *Hidden Markov Models for Linguistic Accommodation*.

### MA (Hons) Philosophy & Economics, University of Aberdeen. 85% GPA.

Formal logic, microecon, macroecon, ethics, development policy, social stats, health policy.  
Thesis: *Evaluating aid abolitionism*.