

# Elizabeth Seger, Ph.D.

**Researcher:** Center for the Governance of AI (GovAI), Oxford UK

[elizabeth.seger@governance.ai](mailto:elizabeth.seger@governance.ai) | [LinkedIn](#) | US Citizen

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## EDUCATION

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- 2018 – 2022     **University of Cambridge - PhD**  
*PhD Candidate in History and Philosophy of Science, Medicine, and Technology*  
*Student Fellow at the Leverhulme Centre for the Future of Intelligence (LCFI)*
- PhD research focuses on the ethics, regulation, and epistemology of AI.
  - Chapters on user trust in AI and AI explainability standards.
- 2017 – 2018     **University of Cambridge - MPhil**  
*MPhil (Masters) in History and Philosophy of Science, Mark: 1st*
- Dissertation: Evidence for existential risk: Identifying effective and appropriate sources of evidence for the analysis of uncertain, low-probability, high-impact risks
- 2012 – 2016     **University of California, Los Angeles, Institute for Society & Genetics - BSc**  
*BSc in Human Biology and Society, GPA: 3.93 / 4.00 (Summa Cum Laude)*

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## EMPLOYMENT

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- Sept 2022 – Present     **Centre for the Governance of AI (GovAI)**  
*Oxford, UK*  
*Research Scholar*
- Open-Source Model Sharing Strategy and Policy: project investigating the risk, benefits, and policy implications of open-sourcing increasingly capable foundation models.
  - AI Democratization: project investigating what AI democratization means, and goals and strategies for AI democratization. Emphasis on the role of AI model publishing standards.
  - AI & Epistemic Security: project investigating the impacts of emerging AI capabilities on how people produce, access, share, and appraise information.
- Feb 2020 – June 2022     **Leverhulme Centre for the Future of Intelligence, University of Cambridge**  
*Cambridge, UK*  
*Research Assistant & Student Fellow*
- Epistemic Security Project: Lead research project on technological threats to knowledge security in collaboration with The Alan Turing Institute (Seger et al., 2020).
  - Global AI Narratives Project: organized a series of international workshops studying perceptions of artificial intelligence around the world.
- Nov 2018 – Jan 2020     **Cambridge Centre for Alternative Finance**  
*Cambridge, UK*  
*Research Associate*
- Collaborate with the World Economic Forum on research investigating the use of AI in global financial systems and FinTech institutions.
- June 2013 – June 2016     **UCLA Health, Department of Neurology and Emergency Medicine**  
*Los Angeles, CA*  
*Clinical Research Assistant*
- Directed FDA clinical trial enrollment for emergence stroke patients in UCLA ER.

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## PUBLICATIONS

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- Seger, E. et al. (2023). Open-Sourcing Highly Capable Foundation Models: An evaluation of risks, benefits, and alternative methods for pursuing open-source objectives. ([link](#))
- Seger, E. et al. (2023). Democratizing AI: Multiple meanings, goals, and methods. *Proceedings of the AAAI/ACM Conference on AI Ethics and Society*. ([link](#))
- Seger, E. (2022). In defense of principlism in AI ethics and governance. *Philosophy & Technology*, 35. ([link](#))
- Seger, E., et al. (2020). *Tackling threats to informed decision-making in democratic societies: Promoting epistemic security in a technologically-advanced world*. Alan Turing Institute: UK. ([link](#))
- Seger, E. (2023). Should Epistemic Security Be a Priority GCR Cause Area? in *Intersections, Reinforcements, Cascades: Proceedings of the 2023 Stanford Existential Risks Conference*. The Stanford Existential Risks Initiative. ([link](#))

- Seger, E. (2023). Exploring epistemic security: The catastrophic risk of insecure information ecosystems in a technologically advanced world. *International Security Journal*, 64(4), 88-90. ([link](#))
- Seger, E. (2021). The greatest security threat of the post-truth age. *BBC Future*. ([link](#))
- Brundage, M. et. al. (2020). *Toward Trustworthy AI Development: Mechanism for supporting verifiable claims*. ([link](#))
- Ryll, L. et. al. (2020) *Transforming paradigms: A Global AI in Financial Services Survey*. World Economic Forum. ([pdf](#))

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## PRESENTATIONS

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- (2023, Aug 10). *The Many Meaning and Goals of AI Democratization*. AIES 23': AAAI/ACM Conference on AI Ethics and Society, Montreal, CA.
- (2023, July 18). *AI Democratization and Open-Source Model Sharing*. Bayreuth Summer School and AI Ethics and Computer Science, Bayreuth, DE.
- (2021, Oct 28). *Technological exacerbation of global Influence Operations*. The Security Institute Annual Conference, London, UK.
- (2021, Oct 13). *Threats to Epistemic Security posed by AI Generative Models and GTP-3*. [Invited talk]. OpenAI GTP-3 Challenges Workshop, San Francisco, US.
- (2021, May 30). *Knowledge Breakdown, Epistemic Security & the Crisis of Trust in Expertise*. [Interview conducted by Marc Saner] INGSA Horizon Series. ([video](#))
- (2021, May 10). *The justificatory value of expert and AI explanations* [Invited conference presentation]. Issues in Explainable AI (XAI): Explaining and Understanding in Healthcare, Cambridge, UK.
- (2021, April 16). *Epistemic security: Informed decision-making in a technologically advanced world*. [Invited webinar talk]. IEEE Computational Intelligence Society, Ottawa, ON, CA.

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## TEACHING & LECTURING

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- 2018 – 2020     **Course supervisor:** HPS Paper 6: *Ethics and Politics of Science and Technology* (Cambridge HPS Department)
- 2018 – 2020     **Course supervisor:** Medical Ethics: Social and Ethical Contexts of Health and Disease (Cambridge School of Clinical Medicine)
- 2017 Winter     **Teaching assistant & Lecture experience:** MCDB50: *Politics and Ethics of Stem Cell Research* (UCLA Department of Molecular, Cellular, & Developmental Biology)
- 2016 Fall        **Teaching assistant:** SocGen105A: *Communication in Science and Technology* (UCLA Institute for Society & Genetics)
- 2015 – 2016     **Lecturer & course designer:** SocGen88SB: *A Short History and Critical Examination of Bioethics* (UCLA Institute for Society & Genetics)

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## SCHOLARSHIPS & AWARDS

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- 2018 – 2021     Cambridge History and Philosophy of Science Departmental Scholarship
- 2018 – 2021     Cambridge Trust Scholarship
- 2018 – 2021     Trinity Hall Research Scholarship
- 2016             Ahmanson Undergraduate Research Award (Senior thesis prize)
- 2012 – 2016     UCLA Alumni Scholarship (First place international competition)
- 2012             Silicon Valley Engineering Council Scholarship (for STEM outreach and education)

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## REFERENCES

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By request