

## Keller Scholl

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### EDUCATION

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PhD Policy Analysis Expected Jun 2024  
Pardee RAND Graduate School Santa Monica, CA

MA Philosophy, Politics and Economics Jun 2016  
Oxford University Oxford, UK

### PROFESSIONAL EXPERIENCE

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#### **Independent Contractor** **March 2021-Present**

- Professional Forecaster working for CSET-Foretell. Worked with team to develop predictions about upcoming events in technology and politics, with a focus on AI and US-China relations
- Researcher working with 1Day Sooner. Worked on policy papers and a systematic review of human challenge trials, incorporating over 250 studies

#### **Pardee RAND Graduate School** **September 2019-Present** **Pardee Fellow** **Santa Monica, CA**

- Focused on the defense industrial base for a variety of cutting-edge and future technologies in the US, allies, and near-peer competitors
- Other work includes a meta-analysis of port security, analysis of public perceptions of DHS' use of AI with a focus on facial recognition technologies, and GIS preparation of maps for wargaming
- Coauthored a systematic review on vaccine safety, personally reviewing over 2,000 articles
- Coauthored a paper using innovative natural language processing methods to analyze mental models of COVID-19

#### **George Mason University** **2017-2019** **Research Assistant** **Washington, D.C.**

- Studied US automation in recent history quantitatively, and qualitatively farther back using the O\*NET dataset and other BLS data sources as well as academic papers and books in economics and history
- Performed literature reviews on a variety of topics in automation and international relations
- Imported, cleaned, and reformatted secondary data sources using Excel and pandas (Python)
- Used regression analysis, descriptive statistics, and text mining to deliver insights
- Contributed to the development and QA review of an op-ed and regular blog posts

**Balliol College (Oxford University) Development Office** **2015**  
**Development Caller** **Oxford, UK**

- Contacted alumni for fundraising and relationship-building, utilizing CRM system
- Collected and interpreted qualitative feedback from alumni and shared results to improve development strategies
- Tested new ideas in single-blind study, improving gifting rate from 32% to 60%

**Dazza Greenwood, MIT Media Lab** **2014-2015**  
**Research Assistant** **Cambridge, MA**

- Scraped text about changes to the law from websites provided by state and federal governments. Cleaned and extracted metadata, finding changes in the rate of creation of new law corresponding to election cycles
- Uploaded JSON and CSV of results, as well as raw data and a writeup of my results, into creative commons available location for use by other researchers
- Performed exploratory analysis, and created graphs and other visual displays for data based on resulting insights
- Presented results to senior academics and government officials

**Sasaki Associates** **2012**  
**Customer Relationship Management Software Consultant** **Watertown, MA**

- Interfaced between information technology, marketing, and other departments to determine and meet the needs of multiple internal clients
- Designed new data format in Zoho using information from stakeholders
- Used Python to transfer data from legacy CRM solution to Zoho

**Statewide and local political campaigns** **2011-2016**  
**Data Analyst** **Massachusetts**

- Used voter history and demographics to produce time-sensitive decision-relevant information for voter targeting
- Results were used to target over 10,000 mailings and door-knocking attempts, in one case helping a candidate go from expecting to lose reelection to substantially improving her vote share.

## SKILLS

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Python (pandas, scikit.learn, Beautiful Soup, regex)(experienced); Java(basic); R(Intermediate); LaTeX(intermediate); Tableau

## Academic Publications

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Keller Scholl and Robin Hanson, "Testing the Automation Revolution Hypothesis", <https://www.sciencedirect.com/science/article/pii/S0165176520301919>

Gidengil C, Goetz MB, Maglione M, Newberry SJ, Chen P, O'Hollaren K, Qureshi N, Scholl K, Ruelaz Maher A, Akinniranye O, Kim TM, Jimoh O, Xenakis L, Kong W, Xu Z, Hall O, Larkin J, Motala A, Hempel S. [Safety of Vaccines Used for Routine Immunization in the United States: An Update](#). Comparative Effectiveness Review No. 244. AHRQ Publication No. 21-EHC024. Rockville, MD: Agency for Healthcare Research and Quality; May 2021. DOI: [10.23970/AHRQEPCCER244](https://doi.org/10.23970/AHRQEPCCER244).

Keller Scholl and Andrew Parker, “Three computational methods of qualitative coding”, in development.

### **Presentations and Other Publications**

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Parker, A.M., Scholl, K., Atshan, S., Carman, K.G., & Finucane, M.L. (2021, December). *Evolution of COVID-19 Risk Perception and Mental Models*. Symposium paper presented at the Annual Meeting of the Society for Risk Analysis, Virtual Meeting.

Parker, E., Gonzales, D., Kochhar, A., Litterer, S., O'Connor, K., Schmid, J., Scholl, K., Silberglitt, R., Chang, J., Eusebi, C., Harold, S. (2022). *An Assessment of the U.S. and Chinese Industrial Bases in Quantum Technology*. [https://www.rand.org/pubs/research\\_reports/RRA869-1.html](https://www.rand.org/pubs/research_reports/RRA869-1.html).

Hernandes, C.C., Atshan, S., Scholl, K. (2022, April). *Usability and Explainability*. Results presented at the DARPA SCORE PI meeting, Virtual Meeting.

Keller and his work have appeared in Robot Writers AI, The Politic, Marginal Revolution, and the National Review.