

# Jacob M. Pasner, Ph.D.

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## Key Skills

- Ph.D. trained data scientist and internationally recognized expert on government data policy.
- 10+ years of Python and C++ data science experience developing linkage and analysis pipelines.
- U.S. Senate data policy analyst and architect of first-of-its-kind data integration legislation.
- Empathetic technology translator able to “read the room” and make technical ideas approachable.
- Effective at getting agencies on board with data sharing using consensus driven leadership.

## Work Experience

**United States Senator Ron Wyden** *Science & Technology Policy Advisor* 2020 – 2021

- Served as technology policy advisor to Senator Ron Wyden on artificial intelligence, cybersecurity, government data integration, and privacy enhancing data linkage technologies.
- Negotiated consensus amongst 30+ industry, university, and government stakeholders to draft bi-partisan legislation promoting data-driven decision-making in the Federal government.
- Drafted key materials for the introduction of Senator Wyden’s [State & Local Digital Services Act](#).
- Translated technological jargon and data privacy statute into simple summaries and briefings.
- Built and maintained a diverse network of data privacy, data technology, and data policy experts.

**ATLAS Collaboration at CERN** *Data Scientist & Researcher* 2013 – 2019

- Explored the fundamental forces of nature using data science to sift through the petabytes of data collected from the [Large Hadron Collider](#), the largest experiment on the planet.
- Spearheaded development of statistical packages and machine learning tools using Python, C++, and SQL that queried, linked, and analyzed disparate sources of cloud-based data.
- Developed and deployed highly parallelized code to test simulations and develop new models using thousands of nodes on high performance computing clusters.
- Oversaw code health and hygiene of collaboration software repositories while reviewing GitLab codebase that received 800+ contributions each month from 4,000+ members.
- Lead author on eight data analysis and detector fabrication publications.

**Data For Good Affinity Group** *Co-Founder & Co-Chair* 2020 – 2021

- Awarded \$5,000 to host the inaugural [Data and Democracy Symposium](#) with 150+ attendees.
- Moderated symposium discussion of a hand-selected panel of Evidence-Based Policy experts.

**University of California Santa Cruz** *Lecturer & Mentor* 2013 – 2019

- Onboarded incoming graduate students, developed lessons, and taught physics labs.
- Mentored students in Women in Science & Engineering, Adopt-a-Physicist & CERN Masterclass.

## Education

Ph.D. & M.S. in Physics	University of California, Santa Cruz	2019
B.S. in Physics	University of California, Davis	2013