Jack Gardner

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A collaborative and pragmatic data protection enthusiast with operational and technical expertise, driven to support user rights and advance organizational privacy and security objectives. Skilled in translating legal requirements to technical requirements, owning system and service design, and developing standardized procedures and supplementary tooling to promote and operationalize privacy at scale.

CERTIFICATIONS AND SKILLS

International Association of Privacy Professionals, Certified Information Privacy Technologist (CIPT), January 2022 - Present

Privacy-by-Design Implementation: Data Inventorying, System and Data Flow Evaluation, Data Mapping, Privacy Enhancing Technologies (e.g., access management, encryption, masking, differential privacy, data minimization and deletion), Usability Testing, Threat Modeling (e.g., LINDDUN, STRIDE)

Coding and Software: SQL, Python (Pandas, Numpy, Matplotlib, Statsmodels), JavaScript, Web Development, Git, GitHub, Shell Scripting, Regression and Experimental Data Analysis, Jira, Confluence, OneTrust

EXPERIENCE

CrowdStrike | New York, NY

Data Solution Architect II, Commerce | February 2024 – May 2025
- Acted as the Privacy Champion for the Commerce Organization, documented data processing activities in OneTrust to support Privacy Legal Team reviews, led the creation of CrowdStrike's Product-Privacy survey to promote technical-level evaluation of new product and feature releases, and created a standard operating procedure on the role of Privacy Engineers in the privacy review process
- Translated business product requirements to data intake, storage, and usage requirements to support the development of risk-identification, checkout experience, and product provisioning data flows for CrowdStrike's trial and purchase eCommerce infrastructure
- Validated and promoted system functionality and data integrity by developing Python-based monitoring tools, conducting user acceptance testing, documenting data requirements, and collaborating with partner engineering and IT teams to identify and address data flow failures

Data Solution Architect I, Commerce | February 2023 – February 2024
- Conducted data access and use audits in Commerce's Snowflake database to streamline role structure and ensure compliance with internal policies and data purpose-of-use requirements
- Led the creation of end-to-end data flow diagrams, improving the understanding of critical eCommerce infrastructure and facilitating clear communication among technical and non-technical stakeholders

Privacy Engineer Intern, Commerce | June 2022 – February 2023
- Used Snowflake's Python SDK to automatically capture updates to Commerce's database schema and import them into internal wiki to create a data inventory, reducing manual effort and promoting understanding of data lineage and accurate reporting
- Piloted implementation of the Amundsen database catalog to promote data discovery and contextual knowledge

Carnegie Mellon University | Pittsburgh, PA

Research Assistant, Mobile Commerce Lab | March 2022 – December 2022
- Developed the [Privacy Label Wiz (PLW) software tool](#) as part of [Carnegie Mellon's Usable Privacy Policy Project](#)
- Conducted user testing to obtain feedback from iOS developers on how to improve PLW and released the tool for public use

Consumer Financial Protection Bureau | Washington, D.C.

Research Assistant, Decision-Making and Behavioral Studies, Office of Research | June 2019 – July 2021
- Developed in a Django-based framework and ran laboratory experiment data collection sessions on user price dimension sensitivity
- Analyzed survey data on financial self-regulatory behavior, cataloged emergency savings strategies in a [literature review](#), and [compared auto loans for borrowers with subprime credit scores](#)

EDUCATION

Carnegie Mellon University, School of Computer Science | Pittsburgh, PA | August 2021 - December 2022
Master of Science in Information Technology, Privacy Engineering
Relevant Coursework: Privacy Policy, Law, and Technology | Differential Privacy | Browser Security | Software Construction | Blockchain Applications

Gettysburg College | Gettysburg, PA | August 2015 - May 2019
Bachelor of Science, Mathematical Economics, Cum Laude

Donghua University, Study Abroad | Shanghai, China | Spring 2018

GRADUATE RESEARCH PROJECTS

Mobile Application Privacy Labels: Developed software tool, Privacy Label Wiz (PLW), to help iOS developers create more accurate privacy nutrition labels for their mobile applications. PLW's front-end supports developer elucidation of application data flows and its back-end identifies iOS permission and third-party SDK usage via a modified version of the static analysis framework used in open-source software tool Privacy Flash Pro. I received a $1500 Privacy Engineering Travel Scholarship to present our [paper at the 2022 International Workshop on Privacy Engineering (IWPE)](#) in Genoa, IT. I also presented our work at the [2022 USENIX Conference for Privacy Engineering Practice and Respect (PEPR)](#).

Privacy Education Formats (capstone sponsored by Meta): Developed research study design and built mock website to evaluate preexisting and prototype privacy education formats to understand whether certain privacy education formats allow users to better understand technology platforms' data practices and use available settings to control their personal information.

INTERESTS

Golf, biking, culture, travel, food, live music, Boston Bruins