

Grady Berry Ward

[Portfolio + Blog](#), [LinkedIn](#), [Github](#)

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Experience

Technologist in Residence, Federal Trade Commission

2024-06-01 to present, Full Time (40+h/week), Reference: Amritha Jayanti
Washington DC

- Gave technical analysis and guidance on cases, market studies, and rulemakings on a wide range of matters, including mergers, privacy practices, data breaches, and digital consumer welfare.
- Wrote publicly for the FTC blog on topics around privacy and data security practices.
- Confidentiality heavily restricts what I can say about the specifics of my activity at the Commission.

Co-Founder + Software Engineer, [Silicon Ally](#) - a Tech Non-profit

2021-12-05 to 2024-06-01, Full Time (40h/week), Reference: Co-Founder [Brandon Sprague](#) ([email](#))

Remote, Boulder CO

- Co-founded [a 501\(c\)\(3\)](#) that helps philanthropic organizations scale their impact using technology.
- Built software for five clients using Postgres, GoLang, Typescript, Vue, Nuxt 3.
- Ran client outreach and product management, writing PRD responses, mocks, scopes of work, and timelines for prospective projects.
- Became an in-house expert in frontend development, including user experience, design, and Single Page Application (SPA) and Server Side Rendering (SSR).
- Built out several open-source projects for reuse internally and publication externally.
- Delivered three different six-month-or-longer projects on time and under budget.

Visiting Fellow, [Integrity Institute](#) - a Think Tank Protecting the Social Internet

2023-07-01 to Present, Part Time (15h/week), Reference: Fellowship Advisor [Sahar Masachi](#) ([email](#))

Remote, Boulder CO

- Conceived of, pitched, designed, built, and wrote a guide for product managers and regulators for how to minimize digital harms through design: features.integrityinstitute.org
- Created the guide as a wiki, so that it could be easily editable by other Integrity Institute members.
- Built the technical infrastructure for the guide using Postgres, Strapi, Typescript, Nuxt 3, and Vue.
- Wrote ~120,000 words of content for the first draft of the guide.
- Reached over one-thousand unique visitors to the guide in the first month of operation.
- The guide has been featured in industry publications (Everything in Moderation), podcasts (Trust in Tech), and has been adopted by the Integrity Institute with full-time staff support.

Senior Software Engineer, Google

2020-09-01 to 2022-01-05, Full Time (40h/week), Reference: Manager [Matt Gimlin](#) ([email](#))

Remote (COVID), Boulder CO

- Led the Drive Counter-Abuse Team (5 engineers), reducing harm for the 1B+ users on Google Drive.
- Made XX% reductions in Spam, Malware, CSAM, and health misinformation (can't disclose precise).
- Worked in Java and Golang, using a wide array of internal Google tooling and infrastructure.
- Implemented novel forms of limited content restriction to provide more granular enforcement.
- Invented and implemented a novel mapreduce compression algorithm to enable event-tracking on a scale ~50x the size of the previous largest (Youtube View Counts) on a 1T+ object corpus.
- Created a technical and policy framework for scanning content for abusive activity to balance between privacy and safety. Built consensus across six teams, and got approvals from SVP for Google Cloud.
- Served on a hiring committee, organized team events, and led a computer-science book club.

Software Engineer III, Google

2018-03-01 to 2020-09-01, Full Time (40h/week), Reference: Manager [Jason Wendling](#)

In Person, then Remote (COVID), Boulder CO

- Member of the Drive Data Stewardship team, a team of 20 working in Java on data-health on Drive.
- Revamped the Drive Privacy Review process, reducing delays by 70% and increasing review efficacy.
- Fixed and backfilled a tricky versioning bug that endangered several million files.
- Mentored six interns, all of whom later transitioned into full-time roles (or repeat internships).

Software Engineer II, Google

2016-08-01 to 2018-03-01, Full Time (40h/week), Reference: Manager [Sanjiv Narayan](#)

In Person, Sunnyvale CA

- Member of the GSuite Enterprise Infrastructure team.
- Translated GDPR requirements into infrastructure to enable user control over core-service wipeout, integrating with a dozen other teams to deliver a risky set of features before a tight regulatory deadline.
- Built and stewarded a framework for validating Data Integrity within the enterprise platform. Onboarded six other teams, found 10+ critical bugs, and reduced the frequency of support tickets by 40%.

Education

B.S. Brandeis University 2016

2012-08 to 2016-05, Waltham MA

- Earned a Bachelor of Science in Computer Science, Mathematics and Economics (Triple Major).
- Graduated Summa Cum Laude (3.997 GPA), Phi Beta Kappa (as a Junior), [won several prizes](#).
- Earned Highest Honors in Computer Science with [a novel thesis](#) on the Graph Isomorphism problem.
- 12-season varsity athlete (4:21 mile), 7-semester Teaching Assistant, 2 years as a Resident Assistant, 2 years in student government as the Student Representative to the Board of Trustees.

Community Roles

Member, Integrity Institute

2022-02-16 to Present, (5-10h/week)

- Member of the second cohort of the Integrity Institute, a think tank focused on reducing online harms.
- Wrote the first draft of a WSJ op-ed, contributed to amicus briefs, co-authored best practices decks, and led a conversation on privacy in integrity. Was selected as a Visiting Fellow in light of these contributions (see above).

CIPT, International Association of Privacy Professionals (IAPP)

2021-07-29 to Present

- Certified as a Certified International Privacy Technologist ([CIPT](#)), maintained status in the IAPP via continued privacy education, including through conferences and public speaking.

Juror, San Francisco Civil Grand Jury

2017-2018 Term, (20h/week)

- Chaired an investigative committee and made significant contributions to the published [reports](#).

Technical Capabilities

Fluent: Golang, Typescript, Javascript, Nuxt, Vue, Java, SQL, Postgres, SASS/CSS Internals

Capable: Python, MATLAB, R, React, TensorFlow, Docker, Terraform, GCP, AWS, Azure