

Grady Berry Ward

grady.dev

github.com/gbdubs

linkedin.com/in/gradyward

Experience

Engineer / Everything

Silicon Ally

Boulder, CO

2021-07 to Present

Building software to help effective nonprofits scale their impact. One-half of this two person operation - check us out at SiliconAlly.org. Using Postgres, Golang, Nuxt 3, Vue, Typescript, and a whole lot of GCP, AWS and Azure.

Visiting Fellow

Integrity Institute

Remote

2023-06 to Present

Authored [a guide](#) for preventing harm on the internet through design.

Senior Software Engineer

Google

Boulder, CO

2020-09 to 2022-01

Leader for counter-abuse on Google Drive, working in close collaboration with a plethora of engineering, product, and legal teams. Focused on broadening protections for Phishing, Malware and CSAM, aligning curatorial, privacy, and regulatory obligations.

Software Engineer III

Google

Boulder, CO

2018-03 to 2020-09

Drive Data Stewardship team - focused on data validation, fixing large volumes of corrupted data, proof-based testing strategies, and building infrastructure to increase the efficacy of our data protections.

Software Engineer II

Google

Sunnyvale, CA

2016-08 to 2018-03

Owner of a data integrity framework, and the core implementer of a Google's GDPR wipeout changes.

Education

Brandeis University

2012-08 to 2016-05

Waltham, MA

Bachelors of Science in Computer Science, Mathematics and Economics. 3.997 GPA.

Graduated with highest honors in Computer Science with a thesis on the Graph Isomorphism problem. 12 season varsity athlete, 7 semester Teaching Assistant, 2 year RA, 2 years on student government.

Side Projects a [complete list of side projects can be found here](#).

Algorithmic Art

2014 - Ongoing

I love designing and implementing art that simultaneously beats with a familiar rhythm, while leaving space for unpredictability. Over the last several years I've designed a wide array of algorithms of this ilk: one [generable by euclidean constructions](#), one [modeling meteorite composition](#), one [utterly wild](#), and one [interactive and collaborative](#).

The Fourth Amendment

2019

In 2019 I fell down a rabbit hole reading Supreme Court rulings on the fourth amendment and associated books. I love this area of law both because of its relationship personhood, and because of how challenging it is to reconcile with the increasingly sophisticated encroachment of technology. I expect the future of the fourth amendment to be an active and interesting one, and have written down some thoughts on [the fundamental limitations of case law to perform rights balancing](#), thoughts of [how to unwind consumer surveillance](#), and why we should all seek to write tools of surveillance [like a dog's nose](#).

Ecology

2019 - Ongoing

Serverless technologies are the future, and to facilitate my increasing volume of small side projects, I've built a small suite of tooling for myself to quickly spin up lambdas, databases, and buckets on GCP and AWS. This package of projects is in go, and components of it are useful for public consumption, including a solid [logger/debugger](#), and a [CLI for managing resources as local files](#). My hope for this work is to eventually build it into a declarative framework for specifying provider-independent serverless infrastructure.

Backcountry Skiing

2020 - Ongoing

I love to ski, and I enjoy it even more when I can escape crowds. Backcountry skiing is a well established sport in Colorado, but the majority of guidebooks and courses focus on skiing "high angle" (27 degree plus) slopes. For someone like me who really enjoys low angle (15-27 degree) terrain for its low-risk and cardio potential, there are far fewer resources. I've started compiling a guide book of routes that are good for this type of skiing within 2h of Denver, and I'm aiming to publish it by the end of the '21-'22 ski season.

Bananagrams

2017

I built what I firmly believe to be the [best possible algorithm for playing Bananagrams](#).