

Gabriela Brown

gabcbrown@gmail.com -- Brooklyn, NY

I am a full stack engineer experienced in small B2B companies with complex technical architecture and path to market. I am excellent at asking the right questions, which allows me to self-manage, learn quickly, and translate effectively between specific engineering tasks and high-level business strategy. I amplify the teams I work with by attending to comfortable working relationships, doing a lot of the important “glue work” that enables teams to run at full capacity. I am currently pursuing my M.S. in Mathematics at CCNY.

Professional Experience

Full Stack Software Engineer, Manta Networks May 2021 - Nov 2021
Responsible for both back end (Rust) and front end (Typescript) implementations of developer tooling that interacts with the Polkadot/Substrate based implementation of the Manta private distributed exchange. (Currently released as a test chain on Kusama as Calamari). Responsible for understanding the Manta technical implementation and translating its functionality to a user-friendly client interface.

Technical Writer, Gabriela Brown Software Services Nov 2020 - Mar 2021
Freelance technical writer for small Silicon Valley start-ups. Projects included technical documentation for product features, how-to guides including github code samples, and a 10 article series on technical overviews of systems design topics.

Full Stack Software Engineer, Commure July 2018 - Sept 2020
Company expert on interpretation of the modern healthcare data standard FHIR. Key engineer in taking our experimental stack to production with hundreds of doctors in several major healthcare systems in the U.S. with the most robust FHIR server that currently exists. Specific responsibilities and contributions include:

- Spearheading data capture framework, and supporting subsequent customer full stack app development and data integration
- Designing and building backend frameworks / infrastructure in Rust (generating extensive static types and traits, middleware, API routing, operation parsing, internal and external custom plugins)
- Leading data model version migration and API robustness testing
- Roadmap planning and sprint operations for a 6 person team
- Leading 11 person working group on reforming hiring processes
- Mentoring peers and new hires on Rust, FHIR, and entire backend architecture
- Running API/Data Model onboarding sessions for new hires
- On call shifts, both technical and product/customer
- In person deployment support for hundreds of doctors at a new site
- Starting many employee community groups: ERG for underrepresented genders, community organizing for BLM, community discussion forum
- Regular interviewer of prospective employees

Computational Biology Researcher, Swarthmore College Sep. 2017 - Jan. 2018
Investigated methods to computationally reconstruct ancestral genomes on a complex pedigree with genetic data. Worked on reviewing literature for similar methods, simulating data for testing, and proposing algorithmic approaches. Substantial paper writing and revision. <https://doi.org/10.1371/journal.pcbi.1008638>

Education

City College of New York 2021 - Present
M.S. Mathematics

Swarthmore College 2014 - 2018
B.A. Computer Science Major, Philosophy Minor GPA 3.8