

Katharyn Garcia

Full-stack software engineer seeking impactful mission-driven work

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EXPERIENCE

METR, Berkeley — *Member of Technical Staff*

April 2024 - February 2025

- Contributed to Vivaria, METR's AI Safety research platform, a Node.JS/React based web application that orchestrates containerized runs of AI agents against tests of their capabilities
- Co-authored a paper on RE-Bench, METR's benchmark for measuring the capabilities of AI agents at AI R&D work
- Enabled researchers through productionizing scripts into stable, maintainable, extensible parts of the core data pipeline

Benchling, San Francisco — *Software Engineer*

September 2017 - March 2024

- Architected, designed and implemented Benchling for Lab Automation, a new product module that provides native integrations between the Benchling platform and various lab instruments.
- Onboarded and mentored 3 new engineers who joined the team that formed around *Benchling for Lab Automation*.
- Co-led *Bloom*, Benchling's LGBT+ affinity group

Mango Health, San Francisco — *Backend Developer*

October 2016 - August 2017

- Refactored legacy code and updated old software packages to keep a mobile API backend up to date and reduce technical debt
- Implemented administrative tools to aid the Mango support team in supporting end users
- Refactored tastypie APIs to use Django REST Framework

drchrono, Mountain View — *Software Developer*

June 2015 - October 2016

Designed, implemented, and maintained:

- Medical Revenue Cycle Management tools
- Business Intelligence tools for doctors and practice groups to understand important metrics of their revenue cycle

Managed a HackerOne bug bounty program

EDUCATION

California Institute of Technology — B.S. Computation and Neural Systems

September 2011 - June 2015

EXPERIENCE INCLUDES

Python
Django
Flask
SQLAlchemy
Pandas
DVC
Node.JS
React
TypeScript
Apollo GraphQL
AngularJS
Bootstrap
HTML/CSS
Celery
Postgres
MariaDB/MySQL
AWS DynamoDB
MATLAB

RELEVANT COURSEWORK

Decidability and Tractability
Computer Language Shop
Introduction to Discrete Mathematics
Neural Computation
Vision: From Computational Theory to Neuronal Mechanisms
Introduction to Computer Systems
Introduction to Algorithms
Functional Programming

