

Nick Doiron

Contractor, Data & Democracy Lab, Cornell University - present

Adding features to rewrite of 2021's redistricting app (data imports, undo/redo); written in TypeScript and Python / FastAPI

Senior Software Engineer, HP Enterprise - 2021-2024

Full-stack role with ML platform development team (Determined AI)
Wrote API handlers in Go, supported projects to add RBAC permissions, refactor API for bulk requests

Software Engineer, Redistricting, Tufts University - 2019-2021

Lead developer on a participatory mapping platform (Districtr)
Developed tools to aggregate and visualize Census data on MapBox
Deployed on AWS; Lambda functions and PostGIS for DB

Senior Software Engineer, McKinsey & Company - 2018-2019

On-site data scientist role, specializing in feature engineering
Designed interactive map / dashboard and D3 charts

Applications Engineer, Asia Foundation - 2015-2016

Coordinated data collection into election information API
Open sourced NPM modules for internationalization / localization

Web Developer, Museum of Modern Art NYC - 2014-2015

Full stack role on MoMA's Rails site and API for its in-museum iOS app

Skills

HTML / CSS / JavaScript (including React, TypeScript)

Python (Flask, Pandas, FastAPI)

AWS (EC2, S3, Lambda + API Gateway, VPC, Amplify)

Databases: PostgreSQL, MongoDB, Neo4j

LLMs Transformers, UnSloth / QLoRA, embeddings