Lincoln Swaine-Moore

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Experience

QuantAQ, San Francisco, CA

Software Engineer (7/23-present)

- Full stack; building and maintaining web platform and data ingestion for worldwide fleet of air quality monitors.
- Very small team; accordingly varied responsibilities across frontend, backend, infrastructure (esp. Postgres, Redis, Docker), public API, and C++ firmware (primarily reviewing/writing tests).
- Special emphasis on mapping and data visualization features; introduced Vite/React.

Swing Left, Washington, D.C.

Senior Software Engineer (1/21 - 1/23)

Software Engineer (9/18 - 12/20)

- Full stack; maintaining swingleft.org and votefwd.org and building new tools (example project: Blueprint—winner of Fast Company Innovation by Design Award) for mobilizing grassroot volunteers to drive voter turnout.
- Longest tenured (and for a time only) full-time engineer; deployment/DNS/database management responsibilities.
- All manner of technical support for organizing, email, donation teams: analytics, internal tooling, and general consultation.

Quorum, Washington, D.C.

Software Engineer (9/17 - 8/18)

- Backend team at political tech startup; maintained and improved systems for large-scale data collection and management (primarily from state and local government websites); shared deployment and on-call duties.

Education

Yale University, New Haven, CT

B.S., Computer Science (8/13 - 5/17)

- Technical coursework including: Data Mining and Machine Learning, Computer Networks, Design and Analysis of Algorithms, Computer Graphics; other coursework including: The Law and Technology of Cyber Conflict, Election Rules and Campaign Strategy, Constitutional Law, Classics of Political Journalism
- Senior project: "Text Mining to Find Interactions between Political Contributions and Political Speech" (advised by Dragomir Radev)

Skills

- *Languages:* Python (frameworks: Flask, Django, SQLAlchemy), SQL, JavaScript (frameworks: React, AngularJS, Next.js, Express), Bash, HTML, (S)CSS, R, C, C++
- *Tools/platforms:* PostgreSQL, Redis, Docker, Jupyter, ArcGIS, Snowflake, Sentry, DigitalOcean, AWS, GCP