Sam Corzine

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Experience

2021-Ongoing **Lead Machine Learning Engineer**, *Fetch Rewards*, Chicago, IL.
Document Understanding + CV + NLP
- Lead a team of 15 engineers working on company's core receipt processing technology;
- Successful delivery saved company millions in vendor costs while increasing data quality;
- Took new ML-driven pipeline from demo to processing millions of receipts a week in production;
- Extensive analysis of model predictions on real sessions to identify issues and improve accuracy;
- Deep work on Transformer-based models, training, evaluating and tweaking pretrained models;

2019-2021 **Data Engineer**, *SpotHero*, Chicago, IL.
Data for America's leading parking app
- Built streaming data pipelines to ingest occupancy data that propietary pricing models;
- Wrote software that monitored distribution shift in model predictions;

2018-2019 **Software Engineer**, *Slalom Consulting*, Chicago, IL.
Enterprise Cloud-Native applications development
- Architected and implemented a multi-account cloud strategy on AWS;
- Built/deployed/managed serverless applications;
- Guided teams in the process of Dockerizing apps and deploying them;

2017-2018 **DevOps Engineer**, *CCC Information Services*, Chicago, IL.
Data center -> Cloud
- Built a full-stack "DevOps Console" using JS/Python
- Helped migrate applications to AWS with IAC tooling

Education

2014–2017 **B.A. Mathematics**, *DePaul University*, Chicago, IL.
Highlights:
- Selected Coursework: Partial Differential Equations/Measure Theory/Representation Theory;
- Extensive optimization of linear algebraic computations in research project;

Fun Side Projects

SyntheticDB A pythonic SQL interface for artificial data generators

Jaxson A differentiable generative art library written in JAX

WiseML A Sagemaker inspired ML training framework that runs on a local network PC