ERIC CHANDLER

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EXPERIENCE

Data Scientist   Chicago, IL
University of Chicago, Justice Project   July 2022 - February 2024
- Mined comprehensive nonprofit tax dataset, trained NLP model to extract, classify, and disambiguate entities
- Compiled largest-ever graph database of private police funding: 32k organizations, 55k grants, $1.3B spent
- Implemented lab-wide data management policies to foster reproducibility, discoverability and data security

Machine Learning Intern   Chicago, IL
University of Chicago, Toyota Technical Institute at Chicago   October 2021 - May 2022
- Fine-tuned and evaluated cutting-edge PyTorch speech recognition kits to transcribe emergency radio comms
- Found statistically higher rates of miscommunication surrounding race, gender, or location descriptors

Data Science Intern   Chicago, IL
University of Chicago, Data Science Institute   June 2021 - August 2021
- Measured and attributed palm oil deforestation to specific corporate actors via satellite image segmentation
- Mentored teammates to onboard them onto cloud and high-performance computing environments

Software Engineer   Cambridge, MA
Concentric, Inc.   September 2019 - March 2020
- Prototyped and recommended faster optimization algorithms with no accuracy loss, saving hours of compute
- Re-designed data structures, decreasing memory overhead by dozens of GB, reducing cloud reservation costs

Software QA Engineer   Cambridge, MA
Concentric, Inc.   July 2016 - September 2019
- Authorized all major software releases, negotiating scope and speed with CTO and sales account managers
- Designed new product roadmaps and specs to minimize bottlenecks between dev and test milestones
- Validated complex decision-making system, discovered and added guardrails to prevent model degradation

Software Developer   Elmhurst, IL
McMaster Carr Supply Company   September 2013 - June 2016
- Designed and deployed Neo4J database of website traffic to predict navigation and identify user pain points
- Created dev-ops tools to replicate multiple production systems into local dev, enabling safe triage of live bugs

EDUCATION

University of Chicago, Harris School of Public Policy   Chicago, IL
Master of Science in Computational Analysis and Public Policy   June 2022
- Courses: deep learning theory, natural language processing, ai ethics

Carnegie Mellon University   Pittsburgh, PA
Bachelor of Science in Physics, Minor in Professional Writing   May 2013

PROJECTS

Texas Standardized Assessment Dashboard ⓘ   December 2024
- Interactive comparison of schools and community-level economic factors, built with Observable Framework

DNC Public Transit Impact ⓘ   November 2024
- Econometric study of transit patterns during Chicago DNC, built with statsmodels, leaflet, open transit data