

WORK EXPERIENCE



DECODED

Started as Sr. Product Developer | Now - Instructor

Remote | Nov-21 to Present

- **Created technology-driven workshops** that immerse learners into the mindset of a data scientist, a hacker, a developer, an engineer, and a crypto and Web3 connoisseur.
- **Created a machine learning engineering program** for clients in retail and finance.
- **Developed Decoded's data platform** from the ground up using AWS and open source tools.
- **Operationalized 4 full-stack machine learning applications:** (1) a natural language processing API and a web app to translate our workshops into different languages; (2) an interactive loan web app with a UI that showcases how gradient-boosted trees work; (3) a fraud detection API with a transactions' simulator embedded in the web UI; (4) and a recommendation system for our internal content database.

CODER ACADEMY

Data Scientist & Educator


Sydney, NSW, AU | Sep-19 to Aug-21

- **Created data analytics, engineering, and science bootcamps**, and short courses covering advanced topics such as transformers, Bayesian statistics and design of experiments.

LONDON BUSINESS SCHOOL

Statistical Programming Instructor

Remote | Jan to Mar-21

- **Developed and taught 7 lessons on statistics, machine learning, and network analysis** with Python in a course titled, People Analytics. Link to lessons 

INSEAD

Research Associate

Remote | Oct-19 to Mar-21

- **Designed web crawlers, data pipelines, and a python package to model billions of job ads** and recreate the organizational structures of different companies.

JOHNS HOPKINS UNIVERSITY

Lead Quantitative Tutor

Remote | Jan to Aug-19

- **Developed and taught introductory R and Python courses for MBA students.**

GFLEC @ GW UNIVERSITY

Research Associate

Washington, DC | Sep-18 to Apr-19

- **Conducted studies on financial literacy to test why, when, and how millennials seek out financial education resources;** created statistical models using Python with data from the Health and Retirement Study to find patterns between future labour force participation and the gradual rate of retirement of baby boomers.

SERVICE MANAGEMENT GROUP

Research Intern

Kansas City, MO | Oct-16 to Sep-17

- Prepared ArcGIS maps using large amounts of consumer behaviour data, conducted sentiment analysis using SPSS & Python, and launched, collected and analyzed different A/B tests to compare diverse data collection strategies (e.g., email vs mail vs POS).

EDUCATION



MASTER OF ARTS IN ECONOMICS

University of Missouri @ KC

Aug 2016 - May 2018

BS IN ECON, FINANCE & MARKETING

Missouri Valley College

Aug 2011 - May 2015

SPEAKING



PyData Global - 22



Microsoft Reactor - 21



PyCon US - 21



PyCon Ireland - 22



PyCon APAC - 21



SciPy JP - 20



PyCon ZA - 22



PyCon Chile - 21



Intro to DataViz - 20



Data Science DC - 22



SciPy US - 21



Transitioning into Analytics - 20



SKILLS



Languages Native - Python, English, R and Spanish | Intermediate - JavaScript and French

Data Eng. & Analytics Prefect | Dagster | pandas | NumPy | HoloViz | Dask | PostgreSQL | dbt

Machine Learning PyTorch | sklearn | spaCy | fastai | MLFlow | MetaFlow | Ray | Shap | BentoML

DevOps Git | Bash | AWS | GCP | Linux | GitHub Actions | Docker | PyTest | DVC | CML | flyte

Product Design & Web Dev Flask | Panel | HTML | CSS | FastAPI | Figma | Miro | Canva | Jekyll