

ANGELA ZHENG

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EDUCATION & SKILLS

Cornell University May 2019

Information Science B.S.
Business Minor

Concentrations:

- Interactive Technologies
- UX (User Experience) Design

Programming: Python (Advanced), Javascript, Java, R, HTML/CSS, Git, SQL

Tools & Libraries: sci-kit learn, React.js, D3.js, Flask, Azure ML Studio, LangChain, Tableau, PowerBI

Skills:

Machine learning (feature engineering, supervised & unsupervised learning – regression, classification, clustering), natural language processing (NLP), anomaly detection, bias and fairness testing, exploratory data analysis, data visualization, data transformation, relational/graph databases, project management

PROFESSIONAL EXPERIENCE

DLA Piper – Responsible AI Testing Team

New York, NY

Data Scientist

September 2023 - Present

- Evaluated bias and disparate impact on client AI systems, delivering critical risk insights for Responsible AI deployment.
- Spearheaded UI and front-end development of a legal red teaming platform to increase efficiency and better usability.
- Collaborated across legal counseling and engineering teams to align on client needs and produce actionable deliverables.
- Developed machine learning models to flag potentially fraudulent chats and emails, reducing legal review time.
- Led textual data preprocessing and feature engineering pipelines to boost model performance on unstructured data.
- Drove development of internal LangChain and RAG-based AI tools to operational efficiency of legal analysis.
- Built a full-stack web application using React.js and Flask to deliver an interactive AI Risk Assessment for clients.
- Architected and developed internal libraries and applications using Python to productize fairness assessments.
- Leveraged academic research to strengthen the rigor and validity of testing and modeling pipelines.

Upstream Security – Automotive Security Firm

New York, NY

Senior Data Analyst

January 2022 – September 2023

- Managed analytics workstreams for 3 automotive clients to strengthen fleet security.
- Collaborated with cross-functional teams to optimize large-scale data ingestion and reduce data storage costs by 30%.
- Deployed ~70 data-driven models to identify vehicle security threats across comprehensive threat vectors.
- Leveraged statistical analysis to reduce threat detection model false-positive rates by 90%.
- Synthesized reports and Plotly dashboards for cross-functional stakeholders to drive decision-making.
- Built YAML and Kotlin data parsers to ingest high-volume vehicle data for digital twin updates in security product.
- Led bi-weekly forum of data team analysts to discuss new technology and implement innovative team solutions.
- Developed exploratory, time series, and ad-hoc python frameworks and automations used by the global data team.

Ernst & Young

New York, NY

Senior Forensic Data Analyst

September 2019 – December 2021

- Led staff on internal intelligence engagement to highlight engagement performance insights for national leadership.
- Automated procedures for financial services client in Python to reduce fund calculation time from 2 hours to seconds.
- Presented quarterly “Tech Talks” on innovative solutions to New York data analytics team.
- Developed regression and random forest machine learning (ML) models to identify anomalies in accounting ledger data.
- Led internal financial reporting project to deliver interactive dashboard with financial insights to Forensics leadership.

Forensic Data Analyst

- Designed rules-based testing procedures in SQL to identify anomalous records for a financial services client.
- Visualized insights into Tableau dashboards for financial services client to guide record-processing decision-making.
- Performed data exploration, normalization, data profiling and assessment of large, data sources to derive insights.

EXTRACURRICULAR EXPERIENCE

Teacher’s Assistant – Advanced Human Computer Interaction

Spring 2019

Treasurer/Choreographer – Cornell’s Pandora Dance Troupe

2017 - 2019

VP of Media - Cornell International Affairs Review Organization

2017 - 2019

Game Asset Designer – [Discontinuum](#) (Game)

Fall 2018

Fun Facts –Artist, Equestrian and Dancer