

ANGELA ZHENG

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EDUCATION & SKILLS

Cornell University Information Science B.S. Business Minor Concentrations: <ul style="list-style-type: none"><i>Interactive Technologies</i><i>UX (User Experience) Design</i>	May 2019 Skills: Machine learning (feature engineering, supervised & unsupervised learning – regression, classification, clustering), natural language processing (NLP), anomaly detection, model evaluation & interpretability, exploratory data analysis, data visualization, data transformation, relational/graph databases, project management Programming: Python (Advanced), Javascript, Java, R, HTML/CSS, Git, SQL Tools & Libraries: sci-kit learn, React.js, D3.js, Flask, Azure ML Studio, LangChain, Hugging Face Transformers, PyTorch, Tableau
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PROFESSIONAL EXPERIENCE

DLA Piper – Responsible AI Testing Team <i>Data Scientist</i>	New York, NY <i>September 2023 - Present</i>
<ul style="list-style-type: none">Developed machine learning models to flag potentially fraudulent chats and emails, reducing legal review time by 70%.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.Evaluated bias and disparate impact on client AI systems, delivering critical risk insights for Responsible AI deployment.Assisted legal teams in various ad-hoc tasks such as modeling unstructured data and automating workflows.Built a full-stack web application using React.js and Flask to deliver an interactive Risk Assessment for clients.Analyzed unstructured textual data using unsupervised clustering models to automatically categorize standards.Architected and developed internal libraries and applications using Python to productize analytics processes.Leveraged academic research to strengthen the rigor and validity of testing and modeling pipelines.	

Upstream Security – Automotive Security Firm <i>Senior Data Analyst</i>	New York, NY <i>January 2022 – September 2023</i>
<ul style="list-style-type: none">Managed analytics workstreams for 3 automotive clients to improve fleet security and drive project success.Collaborated with global teams to optimize large-scale data ingestion and reduce client data storage costs by 30%.Applied statistics and advanced Python and SQL analytics to reduce model false-positive rates by 90%.Deployed ~70 data-driven models to identify vehicle security threats across 5 comprehensive threat vectors.Synthesized reports and Plotly dashboards for cross-functional stakeholders to deliver insights and drive decision-making.Created custom data parsers in yaml and Kotlin to ingest high-volume vehicle data into security surveillance 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 <i>Senior Forensic Data Analyst</i>	New York, NY <i>September 2019 – December 2021</i>
<ul style="list-style-type: none">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.	

<i>Forensic Data Analyst</i>	
<ul style="list-style-type: none">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	<i>Spring 2019</i>
Treasurer/Choreographer – Cornell’s Pandora Dance Troupe	<i>2017 - 2019</i>
VP of Media - Cornell International Affairs Review Organization	<i>2017 - 2019</i>
Game Asset Designer – Discontinuum (Game)	<i>Fall 2018</i>
Fun Facts –Artist, Equestrian and Dancer	