EDUCATION & SKILLS

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| **Cornell University May 2019**  Information Science B.S.  Business Minor  ***Concentrations***:   * *Interactive Technologies* * *UX (User Experience) Design* | **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 |

PROFESSIONAL EXPERIENCE

**DLA Piper – Responsible AI Testing Team New York, NY**

*Data Scientist September 2023 - Present*

* 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 New York, NY**

*Senior Data Analyst January 2022 – September 2023*

* 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 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](https://www.kongregate.com/games/kats_nj/discontinuum) (Game) *Fall 2018*

**Fun Facts –**Artist, Equestrian and Dancer