EDUCATION & SKILLS

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| **Cornell University May 2019**  Information Science B.S.  Business Minor  ***Concentrations***:   * *Interactive Technologies* * *UX/UI 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 (ML) (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 – Artificial Intelligence and Analytics New York, NY**

*Data Scientist September 2023 - Present*

* Built end-to-end anomaly detection ML models guided by legal expert input and academic research.
* Applied NLP techniques (sentiment, topic modeling, n-gram, tf-idf) to unstructured data, improving anomaly detection.
* Led disparate impact analysis of client AI systems by designing experiments and applying selected statistical tests.
* Translated insights into client-facing visualizations using Matplotlib and Plotly.
* Contributed to five published articles analyzing the Inflation Reduction Act’s effects on formulary access.
* Architected internal Python libraries and applications to productize fairness assessments of client AI systems.
* Developed full-stack application to streamline legal red-teaming service workflows and improve user experience.
* Presented ML workflows and statistical insights to attorneys and non-technical audiences.
* Collaborated with engineering teams via git on development of internal AI products to improve operational efficiency.

**Upstream Security – Automotive Security Firm New York, NY**

*Senior Data Analyst January 2022 – September 2023*

* Managed analytics workstreams for three automotive clients to strengthen fleet security.
* Optimized large-scale data ingestion pipelines in Hive, reducing data storage costs by 30%.
* Deployed and monitored ~70 data-driven models to identify vehicle security threats across threat vectors.
* Analyzed vehicle data to reduce threat detection model false-positive rates by 90%.
* Delivered reports and Plotly dashboards to cross-functional stakeholders.
* 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 Tableau dashboard with financial insights to 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