EDUCATION & SKILLS

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| **Cornell University**  Information Science B.S., May 2019  Business Minor  ***Concentrations***: *Interactive Technology, User Experience, and Digital Culture and Production* | **Skills**:  Exploratory data analysis, time series, data visualization, machine learning (ML) (feature engineering, regression & classification modeling), data transformation, project management  **Programming:** Python, Javascript, Java, Git, SQL, HTML/CSS  **Tools:** Tableau, PowerBI, Teradata, SQL Server, Rapidminer, Alteryx, Trino  **Language:** Chinese (Business Proficiency) |

PROFESSIONAL EXPERIENCE

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

*Senior Data Analyst January 2022 - Present*

* Managed analytics workstreams for 3 client to advise on security insights and develop incident detectors.
* Developed ~70 data-driven models to identify vehicle security threats across 5 comprehensive threat vectors.
* Collaborated with global team to optimize data ingestion and reduce customer data storage costs by 30%.
* Applied statistics and advanced analysis to reduce anomaly model false-positive rates by 90%.
* Created custom data parsers in yaml and Kotlin to integrate client data into proprietary security surveillance product.
* Engaged with clients to showcase detector performance, advise on detector logic and refine detector production.
* Led bi-weekly forum of data team analysts to discuss new technology and implement innovative team solutions.
* Created exploratory, time series, and ad-hoc python notebooks and automations used by the global data team.
* Authored detailed workflow documentations to mentor staff analysts on company processes.

**Ernst & Young New York, NY**

*Senior Forensic Data Analyst September 2019 – December 2021*

* Led staff on internal business intelligence engagement to guide national leadership on employee performance metrics.
* Led internal financial reporting engagement to produce interactive dashboard used by Forensics leadership.
* Automated manual procedures for financial services client 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 models to identify anomalies in accounting ledger data.
* Mentored 2 incoming staff on the Forensics practice to strengthen team culture and encourage vertical collaboration.
* Developed custom PDF Extraction model using Python, pytesseract and OpenCV.

*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.
* Normalized multiple data sources into a single reporting table to link 80% of disparate data points together.
* One of two staff selected to attend Rapidminer conference to improve ML skillset and acquire Rapidminer certification.
* Continuously developed technical machine learning and applied data science knowledge through learning courses.

**MGM Resorts International Las Vegas, NV**

*Multimedia Design Intern Summer 2018*

* Led user testing for internal Learning & Development (L&D) website used by 77,000 employees
* Conducted extensive heuristic evaluations of L&D catalog leading to over 30 site improvements
* Produced Food & Beverage employee operations manual used by 10,000 employees

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*

**Consultant** – Cornell Marketing Organization *2017 - 2019*

**Game Asset Designer –** Discontinuum (Game) *Fall 2018*

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