

Kuangyou (Anthony) Chen

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## **EDUCATION**

### **New York Institute of Technology, Vancouver**

Master of Science in Cybersecurity

Expected graduation in September 2025

### **Boston University**

Master of Science – Statistical Practice

Graduated in January 2023

Bachelor of Arts – Statistics

Graduated in May 2021

## **Experience**

### **Product Manager Intern, Charm Life (Remote) May 2022 – August 2022**

- Conducted competitive analysis, identifying key gaps and opportunities, leading to the development of 5 new product features to enhance market positioning.
- Crafted Product Requirement Documents, developed mind maps, and prototyped 3 major features using Jira for project tracking and Figma for design.
- Partnered with UI/UX designers to develop 4 distinct ad campaigns, resulting in a 20% increase in brand visibility.
- Orchestrated social media marketing campaigns on platforms like Facebook and Instagram, reinforcing brand identity and leading to a 15% increase in user engagement.
- Incorporated feedback from over 200 users and market research to present product insights, attracting 3 potential investors.

### **Data Science Intern, Boston University, Boston, MA. June 2022 – August 2022**

- Managed the lifecycle of a social science research project, assessing the impact of educational backgrounds on salary for over 1,000 individuals.
- Utilized tools such as Trello for project management and Python for data analysis, ensuring a structured workflow and timely research completion.
- Conducted qualitative reviews and analyzed data using Python's Pandas and NumPy libraries, deriving key concepts and metrics.
- Crafted compelling data visualizations and dashboards using Tableau to articulate findings to clients.

### **Student Partner—Data Science, Fidelity Investment, Boston, MA, Sept 2021 – May 2022**

As part of a long-term capstone research project, I collaborated with Fidelity to focus on optimizing their data infrastructure by identifying bottlenecks in their data warehouses and creating corrective actions.

- Leveraged AWS cloud computing services, especially S3 to manage, store and process and Big Data. Optimize data storage, processing, and analytics tasks, enhancing the efficiency and scalability of data operations.
- Created warehouse usage forecasting statistics models to predict fluctuations in Big Data workloads over time, surfaced insights into critical warehouse usage time windows. Utilized Tableau for precise forecasting visualization.
- Implemented Big Data techniques for machine learning in Python for data anomaly detection to identify quality issues, reduce occurrences of data quality issues. Integrated models with AWS SageMaker for scalable processing.
- Developed methodology with statistical modeling in Python to identify underutilized data warehouses, identified 160 for optimization reducing annual operating cost by 11%.
- Collaborated with cross-functional team to define key problem areas and brainstorm corrective actions. Utilized AWS Glue for Big Data ETL tasks and AWS Redshift for warehouse operations.

## **SKILLS & CERTIFICATIONS**

### **Programming & Database:**

R Programming: Advanced data manipulation and visualization. Statistical analysis.

Python: Data analysis using Pandas and NumPy; machine learning with Scikit-learn.

SQL: Complex query formulation, database management, and data retrieval.

### **Software & Tools:**

Microsoft Office Suite: Advanced proficiency in Word, Excel (pivot tables & macros), PowerPoint, and Outlook.

Figma: UI/UX design, prototyping.

Jira: Agile project management, task tracking, and team collaboration.

Tableau: Data visualization, dashboard creation, and business intelligence analytics.

### **Specialized Skills:**

Marketing Research: Qualitative and quantitative research methods, data-driven decision-making.

Product Design: Conceptualization, wireframing, and iterative design processes.

### **Languages:**

English: Fluent in both written and oral communication.