Amadeus Colenbrander

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EDUCATION

University of California, Santa Cruz **August 2024**

Bachelor of Science (B.S.) in Technology and Information Management

Relevant Coursework: Data Analytics, Advanced SQL Programming, Machine Learning, Data Visualization, Product Management, Supply Chain Optimization, Systems Analysis and Design, Business Information Systems

TECHNICAL SKILLS

- **Programming Languages:** SQL (Advanced), Python (Advanced), C (Proficient)
- **Data Analysis Tools:** Pandas, NumPy, SciPy, Scikit-learn
- **Data Visualization:** Looker, Power BI, Tableau, Matplotlib, Seaborn
- **Databases:** SQL Server, MySQL, PostgreSQL, Google BigQuery, AWS Redshift, Snowflake
- **Data Management:** ETL Processes, Data Cleaning, Data Warehousing, Data Modeling
- **Other Tools:** GitHub, Jupyter Notebook, Excel (Advanced Functions, Pivot Tables), AWS
- **Certifications:** IBM Data Analytics, Fintech: Foundations & Applications of Financial Technology Specialization

PROFESSIONAL EXPERIENCE

Database Consulting Intern

May 2024 - July 2024

- Collaborated with senior consultants to identify key data patterns, resulting in actionable insights that improved client business operations by 20%.
- Conducted database optimization, reducing data retrieval time by 30% through indexing and query refinement.
- Developed interactive dashboards using Power BI and Looker to monitor database performance and provide real-time analytics.
- Implemented data models and automated ETL processes, enhancing data integrity and reliability for clients.

LEADERSHIP EXPERIENCE

Data-Driven Product Management & Supply Chain Optimization | Boeing Emergency Drone

Sept 2023 - March 2024

- Led the design and development of a data-driven product model to optimize emergency drone performance, resulting in a 25% increase in operational efficiency.
- Analyzed datasets using Python, SQL, and Excel to identify key market trends and customer needs, informing product development and marketing strategies.
- Developed a comprehensive supply chain data model, optimizing network efficiency and reducing costs by 15% through advanced analytics and simulation techniques.

PROJECTS

Ironman Performance Analysis

September 2024

- Analyzed Ironman race data using SQL/Python and created interactive visualizations in Looker to evaluate athlete performance across swim, bike, and run segments.
- Identified key factors influencing overall rankings and finish statuses, providing insights into division and performance trends.
- Processed and cleaned dataset to ensure accurate and actionable results, with dynamic visualizations enhancing data interpretation.

Airbnb Price Prediction, Marin County

October 2024

- Developed a machine learning-based Airbnb Price Estimator for Marin County, California, utilizing Python, Pandas, and Scikit-learn for data analysis and model training.
- Designed and implemented an interactive Streamlit web application featuring instant price estimates, data visualizations, and an interactive map of local Airbnb listings, enhancing user engagement and understanding of pricing trends.