

Christopher Erickson

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[Portfolio](#) | [GitHub](#) | [LinkedIn](#)

EDUCATION

University of California, Berkeley MS, Information and Data Science	In Progress Berkeley, CA
University of Washington, Bothell BA, Management Information Systems	Jan. 2016 Bothell, WA
Western Washington University BS, Manufacturing Engineering Technology CAD/CAM Focus	June 2013 Bellingham, WA

TECHNICAL SKILLS

Programming: Python, SQL	Development Tools: Amazon Web Services (AWS)
Dashboards, Data Visualization: Tableau, Power BI, MS Excel	MS Azure Jupyter Notebooks

WORK EXPERIENCE

Data Systems Engineer The Boeing Company Reliability Maintainability & Data Analytics	Dec. 2024 – Current Seal Beach, CA
Data Systems Engineer The Boeing Company Reliability Data Management	Apr. 2023 – Nov. 2024 Seal Beach, CA
<ul style="list-style-type: none">▪ Setup, managed, and maintained airline reliability data feeds.▪ Analyzed incoming data to ensure it met standards for data integrity and accuracy.▪ Communicated both with airlines and internal teams that rely on in-service data.	
Manufacturing Engineer The Boeing Company 787 Engines, 767/767-2C Tanker Fuel Systems	Sep. 2016 – Nov. 2020 Everett, WA
<ul style="list-style-type: none">▪ Maintained and improved build plan architecture for 787 Thrust Reversers and 767 Fuel Systems.▪ Incorporated engineering changes and led process improvement projects.▪ Provided production support to the build of 777X and 767-2C Tanker Fuel Systems.▪ Designed and tested 3d-printed tooling used during assembly and installation.	

PROJECTS

API.VintageData.IO | Python (Flask, Pandas), AWS (EC2, RDS), PostgreSQL, Power BI | [Link](#) | [GitHub](#)

- Developed an ETL pipeline to process match results from Vintage Magic: the Gathering Online (MTGO) tournaments.
- Pipeline extracts community-collated data, cleans/transforms it, and loads it into a PostgreSQL database hosted on Amazon RDS.
- Deployed a REST API with Flask on AWS EC2, enabling users to query event and match data.
- Automated weekly data processing and monitoring via cron jobs and API logging.
- Designed and built a Power BI dashboard to visualize metagame trends, player leaderboards, and deck matchup statistics.

MTGO-Tracker | Python (Pandas, tkinter) | [Link](#) | [GitHub](#)

- Windows application and analytics tool used to process raw data for MTGO.
- Imports and parses log files created during online play and stores resulting information in a local database for self-analysis.
- Built-in dashboards allow users to make more informed in-game decisions.
- 1600+ total downloads.

MTGO-DB | Python (Flask, Pandas), MS Azure, PostgreSQL, Bootstrap | [Link](#) | [GitHub](#)

- Cloud-based data ingestion tool allowed MTGO players to upload and process raw data files.
- Processed data is loaded and stored in PostgreSQL database and presented to users in the form of dashboards.