Christopher Erickson

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

EDUCATION

University of California, Berkeley   **In Progress**
MS, Information and Data Science   Berkeley, CA

University of Washington, Bothell   **January 2016**
BA, Management Information Systems   Bothell, WA

Western Washington University
BS, Manufacturing Engineering Technology   **June 2013**
CAD/CAM Focus   Bellingham, WA

TECHNICAL SKILLS

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

WORK EXPERIENCE

Data Systems Engineer | Reliability Maintainability & Data Analytics   **December 2024 – Current**
The Boeing Company   Seal Beach, CA

Data Systems Engineer | Reliability Data Management   **April 2023 – December 2024**
The Boeing Company   Seal Beach, CA
- 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 | 767, 767-2C Tanker Fuel Systems   **January 2018 – November 2020**
The Boeing Company   Everett, WA
- 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.

Manufacturing Engineer | 787 Engines   **September 2016 – June 2017**
The Boeing Company   Everett, WA

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.