

# Matthew Huh

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## Skills

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**Programming:** SQL (Snowflake, MySQL, Kusto), git, shell / unix, spark, python (pandas, scikit-learn, scipy, regex, nlp)

**Business Intelligence:** Tableau, PowerBI, Salesforce, Google Analytics, A/B Testing, Confluence, JIRA, Mixpanel

**Big Data:** Azure (Azure ML Studio, Cosmos), AWS (S3, EC2, Lambda, Data Lakes), Databricks, Splunk, Airflow, Docker

**AI:** Cursor, OpenAI API, Github Copilot

## Experience

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### **Data Scientist | Microsoft (Centific)**

08/2023 - 11/2024

- Improved fraud capture rates by 4% over a 6 month period while also reducing false positive variability by half for modern azure services
- QA and monitor fraud model performance for Azure cloud services using python and statistical analysis
- Conducted continuous A/B testing to decrease fraud approvals on live consumer data across Xbox and Azure
- Collaborated with data scientists and data engineers to limit and document fraud incidents

### **Senior Data Analyst | Capital One**

05/2020 - 06/2023

- Developed Logistic Regression models to determine customers' ability to repay loans / default rates
- Optimized Snowflake SQL queries to reduce time / cost by up to 80% by reducing redundant reads
- Conducted A/B testing to drive growth in overdraft services to retail bank customers by 20%
- Maintained and presented customer-centric KPIs - application logins, activity for 10M+ active customers - monitor login and activity usage and detect outliers
- Developed dashboards and notebooks to track customer satisfaction and identify sources of friction using survey and review data
- Collaborate with data engineers, and present findings to product managers and other internal stakeholders

### **Inventory Analyst | Mt Adams Fruit**

04/2019 - 05/2020

- Led processes and developed dashboards to monitor and improve drivers such as a fruit spoilage and operational cycle times
- Developed and presented ad-hoc insights, Tableau dashboards, and reporting around inventory, sales, and shipping optimization strategies to managers & senior leadership
- Independently developed python scripts for data quality control and time series analysis for inventory / sales
- Parse sales order data using python and regex for analysis

### **Data Science Program | Thinkful**

03/2018 - 12-2018

- Intensive program focused on python, statistics, and big data techniques including machine learning.

## Projects

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- Prototyped a chatbot for developing and interpreting trivia questions using streamlit and openai api
- Developed a webscraper to parse financial news articles, and openai api to summarize results

## Education

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BA in Geography (GIS), University of Washington, Seattle WA

Google Analytics, Google Cyber Security 2025