

# KAYKO OHKAWA

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## PROFESSIONAL EXPERIENCE

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**Data Scientist** at PNC Bank (Customer & Marketing Analytics) Aug 2022 – present  
*Python (pandas, PySpark, scikit-learn), SQL, git, Tableau* Pittsburgh, PA

- Leads the design, development, and implementation of the Small Business Marketing KPI data repository
- Builds marketing datasets to analyze customer addressability and opt-outs across multiple channels
- Supported Private Bank by developing ETL pipelines, ML models, and dashboards for non-technical bankers

**Integrated Data Analyst** at UPMC WorkPartners (Insurance Services) Aug 2021 – Aug 2022  
*SQL, SAS, Microsoft Power BI* Pittsburgh, PA

- Provided recurring and built ad hoc reports for clients to monitor annual health plan performance
- Managed dashboards to communicate KPI narratives to upper management

## PROJECTS & RESEARCH

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**Snow Loss and Water Resources in Utah's Wasatch Range** [*tentative*], Master's Thesis 2026 – TBD  
*Python (scipy, geopandas), git*

- Quantifies the downstream impacts of accelerated snowmelt on regional water security
- Applies fixed-effect and interaction models to estimate causal impacts in snow-fed watersheds

**Personal Website**, linked in header 2021 – 2025  
*JavaScript (React, node.js), HTML5, CSS (tailwindcss), git*

- Designed and built a custom personal website to practice full-stack development and deployment.

**Modeling Minor League Hockey Salaries**, Pittsburgh Penguins Capstone Project Spring 2021  
*Python (scikit-learn, NumPy, pandas, matplotlib), R (tinyverse, dplyr, ggplot2)*

- Developed an empirical machine learning model to inform appropriate salaries for minor league players
- Used prior contracts, player stats, and market conditions to determine future contract lengths and values

**Impact of Climate Variability on Crop Yield**, Brackenridge Research Fellowship Spring 2017  
*Stata, Python, ArcGIS, Microsoft Excel*

- Pursued as independent research in which I analyzed raw temporal and spatial datasets from UN affiliates

## EDUCATION

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**Pennsylvania State University** Intended: 2027  
*M.S. in Spatial Data Science*  
+ *Certificate in Geographic Information Systems*

**Carnegie Mellon University** 2025  
*Certificate in Data Science*

**University of Pittsburgh**  
*M.S. in Quantitative Economics* 2021  
*B.S. in Geology* 2017  
*B.A. in Economics* 2017  
+ *Certificates in Asian Studies & Global Studies*

## OTHER TRAINING & CERTIFICATIONS

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**CPR & First Aid** (exp. 2027); **SARTECH II** (cert. Aug 2025); **Wilderness First Aid** (exp. 2028)