

# Zachary Higa

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Portfolio: <https://zmbhiga.github.io/>

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## Objective

Data Analyst with expertise in statistical modeling, SQL, Tableau, and Python, seeking to apply advanced analytics, data modeling, and visualization skills to support University of Hawaii Community College initiatives through actionable insights, predictive modeling, and data-driven decision-making..

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## Education

- **University of Idaho** - Master of Science in Statistical Science, 2024
  - **University of Hawaii at Mānoa** - Bachelor of Science in Mathematics, 2021
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## Skills Summary

- **R** - Programming, statistical analysis, data visualization (5 years)
  - **Python** - Machine learning, predictive modeling, regression, classification (3 years)
  - **Machine Learning** - Random forest, gradient boosting, model validation, AI concepts (3 years)
  - **SQL (Structured Query Language)** - Oracle SQL, PostgreSQL queries and optimization (2 years)
  - **Tableau** - Developing and maintaining interactive dashboards and data visualizations (2 years)
  - **Tableau Prep** - ETL (Extract, Transform, Load) flows for automated data source updates (1 year)
  - **Github** - Version control, collaborative development, and hosting portfolio website via Github Pages ([zmbhiga.github.io](https://zmbhiga.github.io/)) (2 years)
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## Professional Experience

### IT Data Analyst

*Office of the Vice President for UH Community Colleges | November 2023 - Present*

- Develop data visualizations and perform analyses for annual reports, including Hawaii Promise Scholarship and UH Workforce Report.
  - Extract, clean, and transform datasets from UH's Operational Data Store (ODS) and Banner Student Information System (SIS) using Oracle SQL and PostgreSQL.
  - Maintain and create Tableau dashboards for UHCC data reporting.
  - Built predictive machine learning models (random forest, gradient boosting classification) to enhance decision-making capabilities.
  - Presented actionable insights to stakeholders, informing resource allocation and strategic planning.
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## Relevant Certifications

- **Google Data Analytics Certification** - Coursera, September 2023