

Kevin Diep

Honolulu, HI | kevindieprk0@gmail.com | [LinkedIn](#) | [Portfolio](#) | [Tableau](#)

Skills

Proficient:

Python, Excel, Tableau

Familiar with:

Command Line, R, SQL, Matlab, Machine Learning, BigQuery, LaTeX

Work Experience

Data Engineer Intern - W.M Keck Observatory HQ

June 2021 - July 2021

- Collaborate with an intern to construct a prototype Python program to automate the ETL process
- Generate data visuals comparing measured values and calculated values to detect presence of bias in calculations
- Present final product to Keck staff members and key figures of Akamai Internship program

Learning Assistant - University of Hawaii Math Department

August 2018 - Dec 2019

- Oversaw business student academic progress and provide feedback for improvement
- Bridge student understanding between business and mathematical concepts with storytelling examples

Personal Project

Google Data Analytics Final Project: Bellabeat Case Study

- Data mine fitbit data for insights to improve Bellabeat product and prepare a list of deliverables
- Identify core objectives, extract raw data from Bigquery, document data cleaning process in R, analyze formatted data for patterns and display them using visualizations
- Provide 4 recommendation on how improve Bellabeat app's functionality

Google Data Analytics Final Project: Identifying Trends in Popular Anime

- Investigate dataset scraped from Animelist to identify trends in popular anime for a streaming service
- Define metrics for anime popularity, clean and standardize data, detect anomalies within data, explain underlying cause of trends and perform data visualization
- Compile list of recommendation for genre, producer and studio with a history of quality anime

Personal TFT Profile Dashboard

- Built Tableau Dashboard to display personal player data and statistics over a 3 month period
- Utilize Riot API to extract player data from a cloud server and use Python to perform data wrangling
- Transform complex features containing list of varying length into a format compatible with Tableau

Undergraduate Senior Project: Modeling Galaxy Merger

- Read and comprehend high level professional research paper and incorporate their findings into a paper that satisfies criteria set by research paper publishers
- Utilize Python to perform image manipulation on astronomical images
- Provide bi-weekly project update to peers and incorporate their suggestion for improvement

Education & Certification

University of Hawaii at Manoa

Bachelor of Science in Astrophysics & Mathematics

Honolulu, HI 96822

August 2017 - May 2021

[Google Data Analytics Professional Certificate\(Coursera\)](#)

June 2023