

## Kevin Diep

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

### Skills

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Proficient:

Python, Excel, Tableau

Familiar with:

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

### Work Experience

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**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

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**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

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**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*