Gary Wong

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EDUCATION

UNIVERSITY OF HAWAII AT MANOA
B.S. in Computer Science, May 2019
- **GPA:** Overall - 3.2 | Major - 3.7
- **Relevant Coursework:** Database Systems, Data Visualization, Algorithms, Statistics, Machine-level & Systems Programming, Software Engineering I & II, Operating Systems, Program Structure, Mobile App Design, Security & Ethics, Java I & II, Discrete Math I & II

SKILLS

Program Languages: Python, SQL, Java, Javascript, C, C++, HTML, CSS, x86 Assembly
Familiar Libraries: pandas, numpy, SciKit-Learn, seaborn, plot.ly
Second Languages: Fluent Speech in Chinese(Teochew dialect), Intermediate in Japansese

PROFESSIONAL EXPERIENCE

HAWAII PRIMARY CARE CLINIC, Honolulu, HI
Data Analyst Intern, June 2019 - Present
- Analyze quality measurements of clinic through health metrics supplied by various health insurances.
- Design new work flows to help clinicians improve care delivery.
- Combine data from various health insurance providers to create a dataset for clinic use.

PROJECTS

CRIME INCIDENTS IN HONOLULU, HAWAII (https://github.com/garywhi/CrimeIncidents/**)**
- Used public data from data.honolulu.gov on crime incidents of Hawaii to try and build a prediction model that can predict the types of crime incidents that can occur in a certain location and time.
- Cleaned the data, dropped columns that held no useful information, separate data into multiple data frames for use in exploratory analysis using the pandas library.
- Through exploratory analysis visualized data with univariate and bivariate plots to observe the shape of the data and discover trends and patterns with matplotlib.
- Built a machine learning model using a support vector machine for classification and evaluated the model with a confusion matrix and accuracy score with a five fold cross validation with Scikit-Learn machine learning library.

INVESTIGATING GUN VIOLENCE IN AMERICA (https://garywhi.github.io/GunViolence/**)**
- Find data that may be valuable to investing trends and correlations.
- Clean data such as removing rows where data does not make sense or does not hold a value and can't be imputed.
- Visualize the data using plotly.js library and presented findings on a video wall using SAGE2.

CHOLERA OUTBREAK IN LONDON 1854 (https://garywhi.github.io/Cholera/**)**
- Used data of Dr. John Snow's london cholera death locations, number of cholera deaths and
- attacks to visualize in a modern interpretation compared to Dr. Snow's hand drawn visualizations.