

# KEANU GOMES

Detail-oriented data analyst with a knack for pattern recognition and a background in field service management, computer numerical control machine operations, and audio engineering. Proficient in Excel, SQL, Tableau, Python, and Machine Learning, passionate about applying data ethics to enhance customer experiences, drive business outcomes, optimize government facilities, and strengthen cybersecurity. Eager to join a team valuing critical-analytical thinking, collaboration, innovation, and social responsibility within the respected business or govtech industries.

[Keanu Gomes | Student Data Analyst Portfolio \(kgdatatech.github.io\)](https://github.com/kgdatatech)

## Personal and professional projects

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### RAPGRT WEBAPP FULL STACK DEV. INTEGRATING LLMS AND GPTS – Python, React, JSX, CSS, HTML May-Jun 2024

- Integrate custom AI chat bots such as large-language-models (LLM) and generative-pretrained-transformers (GPT) into private or production ready instances for [RapGRT](#) webapp.
- Developed a personal project on AI automation, assistants, ChatGPT models, tokenization, and temperature.
- Set up and manage backend API, frontend UI, cybersecurity, Cloudflare, AWS, and privacy/ethics compliance.

### CLIMATEWINS SUPERVISED MACHINE LEARNING ALGORITHMS – Python, Jupyter Notebook Mar-Apr 2024

- Integrating machine learning to forecast climate consequences, empowering ClimateWins to address extreme weather events and potential data bias with cutting-edge algorithms.
- Apply Critical thinking, Hypotheses analysis, and optimization algorithms such as Gradient Descent in both supervised and unsupervised machine learning techniques. (K-nearest neighbors, Artificial Neural Networks, Generative Adversarial Networks, Random Forest, Recurrent Neural Networks, Bayesian Optimization)
- Presenting findings to stakeholders with visualizations and storytelling via Vimeo [Part 1](#) and [Part 2](#).

### YACHT & BOAT WEBSITE VIEWS ANALYSIS – Excel, Python, Tableau Jan-Feb 2023

- Preparing and analyzing open-source data from Kaggle
- Utilizing machine learning with python to analyze boat listings by views on an online seller platform
- Sourcing open-data, exploring relationships, geographical visualizations, supervised-unsupervised ML
- Data visualization and storytelling, creating interactive dashboards (Tableau)

### BANKING FINANCIAL SERVICES ANALYSIS – Excel, Python, Powerpoint Dec 2023

- Predicting customer churn rate with a classification model (decision tree)
- Skills in big data, data ethics, data mining, predictive analysis, time series analysis & forecasting
- Presenting findings to stakeholders with visualizations and storytelling

### INSTACART GROCERY BASKET ANALYSIS – Jupyter, Python November 2023

- Project directory follows industry standards in terms of structure and naming conventions
- Analysis was conducted using Python and relevant libraries (pandas, NumPy, os, matplotlib, scipy, and seaborn)
- Data ethics have been kept in mind when dealing with PII, especially regarding customer information
- The final report includes analysis methodology, insights into the questions from the project brief, & recommendations for Instacart stakeholders

### ROCKBUSTER STEALTH SUMMARY – SQL, Tableau October 2023

- Wrote moderately complex SQL queries such as JOINS, subqueries, and CTEs to answer business questions
- Presented SQL results to business managers by creating visualizations and telling a compelling story
- Presented SQL results to technical colleagues using Excel and by creating a data dictionary

### PREPARING FOR US INFLUENZA SEASON – Excel, Tableau Aug-Sep 2023

- Preparing and analyzing data from stakeholders (Microsoft excel)
- Data visualization and storytelling (Tableau)
- Presenting findings to stakeholders (Tableau)

## Work Experience

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### FIELD SERVICE MANAGER – FloridaTours.com – Miami-Fort Lauderdale

Oct 2022 - Jun 2023

- Utilized Microsoft Excel to track and report details of bus driver schedules, routes, & arrival times, analyzing data to identify areas for improvement & optimize operations for the company, drivers, and guests aboard.
- Managed & coordinated guest services for a transportation company, overseeing onsite operations, ensuring exceptional customer experiences & satisfaction.
- Successfully supervised & coordinated a team of bus drivers, assigning routes; maintaining regular communication to ensure efficient travel and timely arrivals.
- Proactively addressed any issues or concerns related to transportation services, resolving them promptly to maintain a smooth & enjoyable guest and driver experience.

### COMPUTER NUMERICAL CONTROL MACHINE OPERATOR – Spurs Marine Manufacturing – Fort Lauderdale, FL Oct 2017 - Feb 2019

- Included setting up, inputting, and adjusting, machine parameters, to optimize production, efficiency, and ensure accurate processing for workloads.
- Document daily production data & submit accurate, timely logs to keep management up to date on activities.
- Maintained and ensured accurate-timely completion of logbooks & inspection reports.

## Skills

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### Python

**libraries:** pandas, NumPy, matplotlib, scipy, seaborn, sklearn.

**skills:** data-wrangling & subsetting, data consistency checks, combining and exporting data, deriving new variables, grouping & aggregation, visualizations, coding etiquette & excel reporting.

### AI Chat bots

**skills:** Implementing data ethics practices in AI Chat, (CoPilot, GPT-4.) Fine-tuning LLM and GPT chat bots, private and public deployments, business automation, scaling.

### Web Developing

**framework:** React (frontend UI)

**backend:** Flask API (backend server)

**languages:** Python, Javascript, JSX, HTML, CSS.

### Tableau

**skills:** data preparation & analysis, interactive dashboards, mapping and geospatial analysis, temporal. forecasting, statistical visualizations, database integration, composition & comparison charts, data storytelling.

### SQL

**software:** PostgreSQL

**skills:** CRUD, relational databases, filtering, summarizing & cleaning data, table joins, subqueries, CTEs, query planning, data migration (ETL), data security.

### Excel

**tools:** pivot tables, pivot charts, splicers, VLOOKUP, p-values, t-Tests.

**skills:** data cleaning, integration, analysis, descriptive statistics, hypothesis testing, presenting the data.

### Machine Learning

**tools:** anaconda, jupyter notebook, python.

**skills:** supervised ML, unsupervised ML, linear regression, gradient descent, kmeans, clustering, KNN, decision trees, ANN, random forest.

## Achievements

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### PUBLIC SPEAKER/COMMUNITY MEMBER

NONPROFIT DRUG AND SUBSTANCE ABUSE ADVOCATE FOR TEEN CHALLENGE OF WESTERN, PA

- Pittsburg University— 2016.
- Allegheny County School Districts— 2016. (middle, and high schools)
- Organized and held nonprofit public community events for parents and children at local churches, across multiple municipalities, rallying against drug abuse— providing education, support, and prevention methods.

## **SPORTS AND ENTERTAINMENT**

### **US GOLF OPEN CHAMPIONSHIP 2016- SECURITY GUARD**

- Since 1924, Andy Frain Services has been one of the nation's most trusted names in the Sports and Entertainment Industry.
- The 2016 United States Open Championship was the 116th U.S. Open, held June 16-19 at Oakmont Country Club, in Oakmont and Plum, Pennsylvania, suburbs northeast of Pittsburgh. Dustin Johnson won his first major championship.

## **MOVIE & MUSIC ENTERTAINMENT**

### **40+ IMDB CREDITS:**

- Critical Thinking movie on Netflix— actor, cast in 2018.
- Audio engineering and production 10+ years.

## **Education**

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### **DATA ANALYTICS/MACHINE LEARNING WITH PYTHON**

*CareerFoundry | The Online Career Academy for Tech  
Berlin, Germany*

*June 2023 - June 2024  
12-month course*

### **CURRENTLY PURSUING**

*Bachelor of Science in Computer Science  
Western Governors University | Online University*

*June 2024 - June 2026*