

Active Secret Clearance

Kai M. Hall

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<https://github.com/micale24> | <https://www.linkedin.com/in/kai-hall-b687668a/>

Transitioning electronic technician to an exciting career in Data Analytics. A strong military foundation in leadership, public speaking, troubleshooting, and team collaboration. Multidisciplinary data analyst with knowledge of multiple programming languages, fundamental statistics, web development, databases, and machine learning. Aspired to learn continuously and adapt to various business challenges.

TECHNICAL SKILLS

Languages: Python (NumPy, Pandas, Matplotlib, BeautifulSoup, API Interactions), JavaScript, HTML/CSS,
Applications: Heroku, Tableau, PostgreSQL, MongoDB, ETL, Visual Studio, GitHub, GitBash, Flask, Microsoft Powerpoint
Electronic Principles and Radio Frequency Theory
Problem Solving/ CPR certified/ 200 hr Certified Yoga Instructor

PROJECTS

Disney Trip Planner | https://lmm9.github.io/FinalProject_Disney/

GitHub Collaborator: https://github.com/lmm9/FinalProject_Disney

- The web application predicts the average wait times of three Safari Park attractions.
- Responsibilities: Use Python to clean metadata of 190 variables, 2131 rows of data, and Machine Learning to predict wait times with three variables
- Tools: Python Pandas, NumPY, SkLearn.Model_Selection, Matplotlib, HTML, CSS, Java, and JSON

Weather API | <https://micale24.github.io/index.html> and <https://github.com/micale24/python-api-challenge>

- Python script to visualize the weather of 500 cities across the world of varying distance from the equator
- Responsibilities: To extract weather data and locations for scatter plot and heat map visualizations
- Tools: Python, GMaps, Request, NumPY, API, Matplotlib, HTML/CSS

WORK EXPERIENCE

Tigua Inc.

October 2020 - PRESENT

United States Observatory, Washington D.C

Electronic Systems Contractor

Provides electronics technician support to the Precise Time Department in support of Network Time Protocol servers, web-based time synchronization, Global Position System timing products and services, Two-Way Satellite Time Transfer, and Master Clock Maintenance.

Northrup Grumman Corporation

July 2017 - October 2020

Baltimore, Maryland

Environmental Engineering Technician

Creatively constructed, tested, and tested diverse electro-mechanical-optical equipment in a test lab environment. Assisted test engineers with statistical trends and module performance for precision standards. Familiar with schematic level drawings to detail software development to testing and calibrate modules.

- Two Bravo Awards of Excellence by improving C# automated test scripting

Air National Guard

July 2014 - PRESENT

Johnstown, Pennsylvania

Non-Commissioned Officer

Assigned to 258th Air Traffic Control Squadron to provide supervisory journeymen technical expertise in worldwide deployable mobile air traffic control operations to include radio transmission, weather forecasting, instrument landing systems, radar, and microwave systems.

- Awarded Antarctica Medal for deployment to McMurdo Station Antarctica

United States Air Force

August 2007- July 2014

Joint Base Andrews, Maryland

Active Duty Enlisted

Served in Misawa, Japan, and Joint Base Andrews, MD as Airfield System Technician providing six national capital installations with instrument landing systems, communications, and weather aids for flight safety and Federal Aviation Administrations.

- Leadership Award as a class leader in Airman Leadership School
- Senior Airman Below the Zone advanced rank/pay grade for performance
- Air Force Achievement Medal
- Airman of the Year 2009 of 744th Communication Squadron

EDUCATION

John Hopkins University

Data Analytics Boot Camp

Bachelor in Science in Technical Management

Embry-Riddle Aeronautical University