



DUC "KEVIN" NGUYEN

DATA ENGINEER

LINKEDIN

GITHUB

LANGUAGES

- English - Fluent
- Finnish - Intermediate
- Vietnamese - Native

EXTRACURRICULAR ACTIVITIES

- Certification from Dataquest.io for completing the "Data Analyst in Python" path (June 2020).
- Certification from Udemy for completing the "PostgreSQL Bootcamp" (October 2019).
- Certification from Udemy in Fundamental Front-end Development (August 2019).
- Volunteering for Glaston Oyj Abp during the Glass Performance Days 2019 (June 2019).

PROFILE

Kevin is a hard-working and open-minded Data Engineer with additional background in Automation Engineering. In addition to knowing his way around the world of data, his strengths include strong programming skills. Although he is capable of transferring his skills to a wide range of applications, Kevin is the most passionate about gaming, e-commerce, and environmental engineering. He is confident about speaking in front of an audience in addition to being a compassionate listener. Outside of work, Kevin loves nature and hopes to take his future team on a hiking trip.

RECENT PROJECTS

Balancing Robot Project

Description: A 4-month-long project at Häme University of Applied Sciences with the outcome of designing a miniature self-balancing robot based on Inverted Pendulum theory. Primary tasks included creating the robot's body using Autodesk Inventor and 3D printing machine, programming the robot's functions with Python, applying Raspberry Pi and the MPU6050 aviation sensor, using MIT App Inventor 2 to program a wireless interface, and testing the balance of the robot and plot the chart.

Hourly Weather Surface - Brazil (Southeast region) Data Analysis

Python, Pandas, Matplotlib, Seaborn, Github Bash.

A project built to analyze the weather in different provinces of Southeast Brazil including air pressure, temperature, dew-point, wind speed, wind gust, rain precipitation, and humidity.

NASDAQ Top 500 Stocks Analysis

Python, Pandas, Matplotlib, Seaborn, Github Bash, BeautifulSoup, yfinance.

Complete the Web Scraping process with the data from the NASDAQ website and Yahoo Finance to further analyze the top 500 stocks on NASDAQ with additional technical analysis indicators.

Web Scraping of the Products from Amazon

Python, Pandas, Matplotlib, Seaborn, Github Bash, BeautifulSoup.

Completed the Web Scraping process for specific products from the Amazon web catalog and further cleaned the data and analyzed the price, trending, and other values.

SKILLS

Programming Languages: Apache Spark, Python, Scala, SQL.

Data Analysis: AWS Athena, AWS Redshift, Dask, Numpy, Pandas.

Data Visualization: Matplotlib, Plotly, Seaborn.

Data Engineering: Airflow, AWS EC2, AWS Glue, AWS Kinesis, AWS VPS.

Database Management: DynamoDB, MySQL, PostgreSQL.

Machine Learning: Scikit-learn.

Cloud: AWS, Google Cloud Platform.

EXPERIENCE

Data Engineer

Integrify | Helsinki, Finland | April 2020 - Present

Technical Trainee

NK Engineering Co., Ltd / Endress+Hauser Vietnam | Ho Chi Minh City, Vietnam | January 2019 - April 2019

- Communicated and consulted the clients on product requirements.
- Compiled product lists consistent with the requirements from the clients.
- Prepared contracts with approved agreements.
- Reported the data on revenue to the business department.

Project Assistant - Balancing Robot

HAMK Häme University of Applied Sciences | Hämeenlinna, Finland | May 2018 - August 2018

- Designed a miniature self-balancing robot based on the Inverted Pendulum theory.
- Created the body of the robot by using Autodesk Inventor and a 3D printer.
- Programmed its functions in Python.
- Applied the Raspberry Pi and aviation sensor MPU6050.
- Programmed the wireless interface with MIT App Inventor 2.
- Tested the balance and tuning variance graphs.

Project Assistant - Dispersing Chemical Liquids

HAMK Häme University of Applied Sciences | Hämeenlinna, Finland | January 2018 - April 2018

- Completed an in-depth review of the P&ID drawing.
- Identified the tasks of each short circuit.
- Selected relevant instruments.
- Supported the name plate and list of the instruments.
- Completed the technical drawing for control cabinet and electrical connection.
- Drew the short circuit function using MetsDNA software.

EDUCATION

B.Eng. in Automation and Electrical Engineering

Häme University of Applied Sciences | Valkeakoski, Finland | August 2013 - November 2018