

Chanrith “Hong” Leatheng

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Summary

Multi-skilled data analyst, committed to lifelong learning with a love and respect to solving problems, team collaborations and collective improvements. Skilled in Data Analysis and Visualization using Python and JavaScript, along with Tableau. Continue with online courses to study, more machine learning, AI and statistics. Having a passion for doing the best work possible especially with handling information and presenting it in the most appealing and useful way possible to diverse audiences.

Technical Skills

- Computer Programming Language: Python, Javascript, SQL, HTML, CSS. Including libraries: Pandas, Flasks, D3, Leaflet, Matplotlib, SKlearn.
- Other Data-related Skills: Analysis, Modeling, Visualization, Cleaning. Extract, Transfer, Load with API Calls, Web Scraping, Structured or Unstructured Database, Machine Learning, and others
- Written Robot Programs for Industrial Robots such as KUKA, ABB, Staubli. Written PLC Programs: Allen Bradley, Siemens, DirectLogix.
- Other Industry Computer Programs: Tableau, Adobe Creative Suite, Siemen TIA 3, NI Multisims, Anaconda Jupyter Lab, Postgres SQL, Visual Code, Google Collab.

Relevant Experience

Dollar Tree Distribution Center/ Multi-Skill Technician 2019 - 2020, Cowpens, SC.

- Optimize, troubleshoot, and repair automation and robotic systems (AS/RS) using diagnostics tools and problem-solving skills. Find tools, software or schematics in order to do so. Sometimes, I made it myself.
- Point engineers to where and how problems came to exist and also providing solutions on how to remove them. This helps them extensively in programming it.
- Writing detailed and concise reports with data analysis to management. Resulted with greatly increased output for the robotic work capacity and operation duration.

Michelin North America/ Tech Scholar 2017 - 2019, Spartanburg, SC

- Assisted in preventive maintenance and other associated tasks including quality audits, documentations and writing work instructions. Often, participating in brainstorming sessions on improving the skills of our team, the effectiveness of our methods.
- Also, trained newcomers and old-school mechanics on how a particular system works.
- Due to my work ethics and the support of my team, we managed to save the company 250,000 USD, in shutting down an air compressor for the pneumatic systems along with other achievements.

Additional Experience

Contec, Inc / Laundry Operator
SC

2016 - 2017, Spartanburg,

- Assisted engineers, maintenance and managers in troubleshooting and optimizing the work process, with my prepared written and mental notes (filled with data and dates).
- Unofficially the leader of the work cell, planned the process, set the pacing and acted as the material carrier while loading over 2000lbs of material to laundry machines daily.
- By these actions, the production quota was able to expand by 50%.

Palm Film Production / Assistant Producer

2014, Phnom Penh

- On call for any unexpected new tasks that pop up during the production. Also responsible Floor Runner, Prop Manager, Continuity Manager, Timekeeper, and other roles.

Projects

Machine-Learning for Films and Streaming Sites |

<https://github.com/Hong-webport/Guessing-Projector-Clone-/tree/main/Final-Project-main/Final-Project-main> |
<https://public.tableau.com/profile/hong.data.learn#!/vizhome/FinalProject11-19-20155Should-be-the-Finale/TheJourney>

- The group objective is to use machine learning for several datasets obtained and applied machine-learning to predict which sites new movies may show up in.
- My responsibilities are creating algorithms to extract information from multiple sources for several hundred of thousands of movies and create all visualizations in a limited time.
- Tools / languages used: Python (Pandas, Json, SKlearn, Numpy), Github, Tableau.

ETL Project | <https://github.com/Hong-webport/PokeETL> |

<https://hong-webport.github.io/poke-tree/abb-index.html>

- The group's objective is to extract and transform datas from an API into a website that acts as archives/navigation tools for enthusiasts for Pokemon series.
- Created a hierarchy tree in order for those interested in what a character is able to do in a limited time, using live-search functions and interactiveness.
- Tools / languages used: Javascript (D3, Bootstrap4), Github.

Weather Data Visualizations Project | <https://github.com/Hong-webport/Weather-SnapShot> |

<https://hong-webport.github.io/Web-Design-Challenge/landing.html>

- I create a site to navigate and view weather data for cities around the globe.
- I used freely available tools to extract and transform data to more readable charts.
- Tools / languages used: Python (Pandas, JSON, Matplotlib), Javascript (Bootstrap4).

Education

Bootcamp Certificate: Georgia Tech Professional Education

- A 24-week intensive program focused on gaining technical programming skills in Python, R, JavaScript, SQL Databases, Tableau, Big Data, and Machine Learning, Excel, VBA

Associate of Applied Science in Mechatronics: Spartanburg Community College.

- A 2-year work-study program focused on gaining technical troubleshooting skills and maintaining robotics and automations along with understanding of industrial process controls.

Bachelor of Professional Design: Limkokwing University of Creative Technology.

- A 4-year program in the creative industry, with great focus on creating customer-centric design, marketing campaigns and creative problem-solvings based on comprehensive research, visual communication and technical skills.

