

HUNG CHIH HUANG

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EDUCATION

Northeastern University

Sep 2020-Jul 2022

Master of Science in Information Systems

Chug Yuan Christian University

Aug 2015-Jun 2019

Bachelor of Science in Computer Science

TECHINICAL SKILLS

Languages	Python, Java
SQL & NoSQL Databases	MySQL, MongoDB, SQL Server, PostgreSQL, Data Modeling
Cloud Services	Google Cloud Platform , Heroku
Big Data & Data Analysis	Apache Hadoop, Spark, MapReduce, Neo4j, Python(Panda, Numpy), Jupyter
Other	Django, Rabbitmq, Celery

PROFESSIONAL EXPERIENCES

Back-end Engineer Intern,Crescendo Lab, Taipei, Taiwan

Nov 2018 - Apr 2019

- . Implemented a **micro-service** based application using **Python** ecosystem **Django** and followed the restful API framework
 - . Integrated message push notification with Caching using **Redis** to improve **Rest API** response time by 30% faster
 - . Customized chat-bot for over 10 fortune 500 branding companies including Rakuten, Ikea, GAP, H&M, Skyscanner, Unilever, and Tesla.)
 - . Customized Bot for Skyscanner with a blocking rate of less than 8%, and the conversion rate of diversion to the website is twice that of Facebook. 30% of user complete their subscription service
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ACADEMIC PROJECTS

Gauguin Bot and Data Journalism Database [SQL, Python]

Sep 2020 - Now

- . To create a **python-based bot** to gather social media data visualization. The web bot will find data visualization and annotate them. A **neural network** will be used to classify images according to their type
- . Developed script and use Visualization grammar(Vega) generate JSON format.Automated the script generation with **CNN Network**
- . To create a **python library** the AutoEDA tool similar to many **AutoML** frameworks where a user uploads a target of interest data and the tool creates thousands of visualizations.

Online Retailing Database System on Amazon[SQL, SSMS, Tableau]

Jun 2020 – Aug 2020

- . Designed relational database,data modeling, and profiling, create of table and view structure on **MS SQL Server**
- . Developed complex **SQL code** such as table-level, check constraint, Triggers, computed columns, Indexes and Views
- . Utilized **Tableau** to create analytical dashboards on sales and retailer information making vital decisions and strategic planning of the system

IoT Speech recognition Chatbot [Python, Django, SQL, Heroku]

Oct 2018 - Jan 2019

- . Developed a model that will recognize voices then training the **Nature Language Processing Model** calculating the answer to the question then send back the result through Line Messenger
- . 2018 Winner of Chung Yuan Christian University, College of Engineer Senior Project contest with 100 teams participated