HUNG CHIH HUANG

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EDUCATION

Northeastern University   *Expected Jul 2022*

Master of Science in Information Systems
Chug Yuan Christian University   *Jun 2019*

Bachelor of Science in Computer Science

TECHINICAL SKILLS

Languages	**Python, Java, Javascript**
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, React, Redux, Express, Firebase, Rabbitmq, Celery

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PROFESSIONAL EXPERIENCE

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 - Present*

. 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

. Develop script and use Visualization grammar(Vega) generate JSON format.Automated the script generation with **CNN Network**

. Design 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, Firebase]   *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 out of 100 teams participated