

JIHEE CHE

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EDUCATION

New York University, Tandon School of Engineering, New York, NY

May 2020

M.S. Computer Science

Dankook University, South Korea

Aug 2012

B.A. English Literature and Linguistics

TECHNICAL SKILLS

- **Languages:** Python, R, Java, C++, C, React, PHP, CSS, HTML, SQL, Shell
- **Frameworks:** Tensorflow, Keras, Spark, Kafka, Hadoop, HDFS, MySQL, NoSQL
- **Tools:** Docker, ElasticSearch, Kibana, Kinesis, Git, Linux, Jenkins

WORK EXPERIENCE

AI Research Engineer: Ineeji, Seongnam, South Korea

June 2020 - Present

- Build an AI engine and an AI platform for a major chemical company in South Korea to automate the production process and maximize the profitability of chemical plants
- Implement and optimize Machine Learning/Deep Learning models
- Work as a project lead and give presentations to clients on weekly meetings

Full Stack Engineer: Threcon, Ridgefield Park, NJ, USA

June 2019 - Dec 2019

- Developed cloud-based Warehouse Management System (WMS) web applications for logistics and supply chain using React, PHP, AWS, and Jenkins
- Built front-end dashboard for the system with React and Redux framework and deployed on AWS EC2 to help users improve the efficiency of tracking inventory and supplies
- Implemented back-end logics with PHP focused on taking control of inventories, warehouse operations, and shipping

PROJECTS

Pipeline for 1000+ Kaggle Competitions (Machine Learning, Python)

April 2019

Intro to Data Science Course Project

- Collaborated with 60 students to achieve a data pipeline which processes 1000+ Kaggle Competitions' datasets and chooses the best machine learning model, resulting the most accurate prediction for each Kaggle competition

Dining Concierge Chatbot (AWS Lambda, DynamoDB, ElasticSearch, Python)

Feb 2020

Cloud Computing Course Project

- Built a serverless restaurant recommendation chatbot service with AWS services
- Implemented back-end logics with AWS Lambda and ElasticSearch for data indexing and searching
- Performed data processing on raw data scraped from the yelp API and stored the processed data in DynamoDB

Smart Door (AWS Kinesis Video Stream, Rekognition, Docker, Python)

April 2020

Cloud Computing Course Project

- Built a smart door authentication software with AWS Kinesis Video Stream, Recognition, and Docker
- Collaborated with a team to implement back-end logics that retrieve information of users by face recognition

Real-time Voting System (Apache Kafka, MongoDB, Python, JavaScript)

May 2019

Big Data Course Project

- Built a real-time voting web application for the 2020 United States presidential election with Apache Kafka, which enabled batch processing 1 million+ of votes in every 5 seconds; Selected MongoDB for data storage