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
B.A. English Literature and Linguistics

TECHNICAL SKILLS

- **Languages**: Java, Python, React.js, Node.js, JavaScript, PHP, CSS, HTML5, XML, SQL, Shell
- **Frameworks**: Django, Hadoop, AWS, HDFS, MySQL, NoSQL, Spark, Kafka
- **Tools**: Git, Maven, Linux, Jenkins, Docker, ElasticSearch, Kibana

RELEVANT EXPERIENCE

Full Stack Engineer: Threeon, Ridgefield Park, NJ (React, JavaScript, PHP, AWS) *June.2019 - Dec.2019*

- Worked for a startup of 12 people which implements cloud-based warehouse management system (WMS) **web applications** for logistics and supply chain using React, JavaScript, PHP, jQuery, and AWS
- 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
- Integrated the **Stripe third-party payment APIs** into the online shopping platforms
- Conducted **Quality Assurance testing** and led the development and creation of software development documents such as user manuals, source code documentation, database specifications, and deployment guides

PROJECTS

Dining Concierge Chatbot (AWS Lambda, DynamoDB, ElasticSearch, Python, Node.js) *Feb.2020*
Cloud Computing Course Project
- Built a serverless restaurant recommendation chatbot service with Amazon Lex API
- Implemented back-end logics with AWS lambda (**Node.js & Python**) 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**

Real-time Voting System (Apache Kafka, MongoDB, Python, JavaScript) *Apr.2019 - May.2019*
Big Data Course Project
- Executed a real-time voting web application for the 2020 United States presidential election with **Apache Kafka**, which enables batch processing **1 million+** of votes in every 5 seconds; Selected **MongoDB** for data storage

Pipeline for 1000+ Kaggle Competitions (Machine Learning, Python) *Mar.2019 - April.2019*
Intro to Data Science Course Project
- Achieved a **data pipeline** which processes **1000+** Kaggle Competitions' datasets and chooses the best machine learning model and returns the most accurate prediction for each Kaggle competition

Kaggle Competition: Telecom Churn Prediction (Machine Learning, Python) *Mar.2019 - Mar.2019*
Intro to Data Science Course Project
- Built **Machine Learning** models for predicting the telecom churn rate. Ranked 6th out of 36 teams in Intro to Data Science class at NYU Center for Data Science