

HUI WAH CHIANG

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EDUCATION

New York University
B.S. in Computer Science

Sep 2015 - May 2019

EXPERIENCE

Capital One

August 2019 - Present

Senior Software Engineer(Fullstack)

New York, NY

- Consolidated functionality across various call center agent portals into a singular interface for servicing customer data using TypeScript, Java Spring Boot, AngularJS, Vue.js
- Moved multiple services hosted on AWS EC2 instances (with Postgres DB) to serverless, running on multiple AWS Lambdas (with Aurora DB), reducing costs by 80%
- Created service to automatically close cases and send emails when agent tasks are completed using Kafka, Kubernetes, lowering support cases by 40%
- Built application to generate scheduled AI generated sprint manifests for Jira/Confluence/Google Docs using Pytorch and Huggingface Transformers Library
- Led team of 5 interns through a summer project, migrating various Tableau dashboards into a unified view where agents can track and visualize their work

Backend Software Engineer(Data Management)

McLean, VA

- Built tool to automatically mask sensitive data from multiple sources, including AWS S3 and Snowflake before writing to our data lakes/ warehouses with Scala, AWS EMR and Spark
- Created Tableau dashboards displaying data-set quality issues and worked with stakeholders to drive incomplete data-set registrations from 8000 to less than 100 using Python, Snowflake

Blue Apron

Jun 2018 - Aug 2018

Software Engineering Intern

New York, NY

- Built internal tool to facilitate increased communication between managers and the 3000 associates working in three separate fulfillment centers using Twilio, Django and Slack
- Created flexible merchandising template system, enabling marketing team to create more adaptable content on upcoming delivery schedules, using Ruby on Rails

PROJECTS

NBAi

(Python, Tensorflow)

- A machine learning program to predict changes of control over a basketball game using self-defined weights such as comeback potential and sentiment analysis
- Parsed big-data file to extract relevant information to feed into Tensorflow

SKILLS

Languages

Python, TypeScript, JavaScript, Java, C++, Go, HTML, CSS, SQL

Technologies

Node.js, AngularJS, Vue.js, ReactJS, Git, MySQL, Spring, PostgreSQL, Spark

Misc.

Linux, Docker, Kubernetes, Databricks, Snowflake, Elasticsearch, Salesforce

Certifications

AWS Solutions Architect - Associate