Rongzi (Herbert) Wang

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Seeking Full-time Employment

EDUCATION

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

MASTER OF COMPUTER SCIENCE, May 2020	GPA: 4.0 / 4.0
BACHELOR OF SCIENCE IN COMPUTER SCIENCE, May 2019	GPA: 3.75 / 4.0

EXPERIENCE

JPMORGAN CHASE — JAN 2019 – AUG 2019
Software Engineering Intern — Chicago, IL

- Built supervised machine learning models (SVM, CNN, RNN) to predict if given legal obligations are applicable to commercial bank
- Reduced number of out-of-role access for Security Administration Tool using hierarchical clustering
- Integrated machine learning pipeline for Kubeflow (ML toolkit for Kubernetes) into company's internal infrastructure and contributed to Kubeflow Doc Sprint
- Implemented CI/CD pipelines (Jenkins) and deployed applications to production
- **Technology Used:** Python (scikit-learn, Tensorflow, Flask), AngularJS

VISA — MAY 2018 – AUG 2018
Software Engineering Intern — Palo Alto, CA

- Ran data processing jobs using Apache Spark (Scala) and enhanced transaction stamping rate from 350 TPS to 1000 TPS by switching from Apache Solr to HBase
- Developed neural network models that predict business merchant rating using recurring monthly transaction data
- Facilitated Back to Business project that provides near real-time merchant data when natural disasters like Hurricane Harvey happens
- **Technology Used:** Python (PyTorch, Flask), Apache Spark (Scala), HBase, Hive

TAXONWORKS — JAN 2018 – DEC 2018
Software Engineering — Champaign, IL

- Created a streaming system on top of Google's RPC framework that has superior performance to conventional REST APIs
- Developed plugin programs that performs entity extraction from streamed biodiversity data
- **Technology Used:** gRPC (Python), PostgreSQL, JavaScript

WESPLINE — JUN 2017 – DEC 2017
Software Engineering — Champaign, IL

- Worked on full-stack web development with Django (Agile software development)
- Incorporated Solr search engine allowing users to search for companies by attributes on web page
- **Technology Used:** Python, HTML/Bootstrap, JavaScript

RESEARCH & PROJECTS

UIUC FORWARD DATA LAB — SEP 2017 – DEC 2018
Undergraduate Researcher — Champaign, IL

- Built **Web-Data-View**, a real-time Google chrome extension, to help users copy and save data from web pages easily.
- Designed architecture that allows users to create/update/load crawling models for crowd-sourcing

SMARTPHOTOS — DEC 2018

- Developed a photo search engine that automatically classifies uploaded images into categories. The service allows users to search images by components using real-time object detection algorithm

C GARBAGE COLLECTOR — MAY 2017

- Implemented a multi-threading Mark and Sweep garbage collector for C

SKILLS

PROGRAMMING

- Python • Java • C++ • C • JavaScript • R • Scala • Haskell

APPLICATIONS & OTHERS

- Agile Development • Jenkins • Tensorflow • PyTorch • Apache Spark/Impala/Hive • gRPC • Django