Rongzi Herbert Wang

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EDUCATION

UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN

Master of Computer Science
May 2020 | Champaign, IL
College of Engineering
Cum. GPA: 4.0 / 4.0
Major GPA: 4.0 / 4.0

Bachelor of Science in Computer Science
May 2019 | Champaign, IL
College of Engineering
Cum. GPA: 3.75 / 4.0
Major GPA: 3.75 / 4.0

SKILLS

PROGRAMMING

Python • Java • C++ • C
JavaScript • R • Scala • Haskell
Application & Framework
• Tensorflow • PyTorch • Keras
• Scikit-Learn • Apache Spark/Hadoop
• gRPC • Django • React • AngularJS

COURSEWORK

UNDERGRADUATE

• Data Structures
• System Programming
• Database Systems
• Applied Machine Learning
• Machine Learning Theory
• Data Mining
• Distributed System
• Web Programming
• Algorithm

PROJECTS

C GARBAGE COLLECTOR

• Worked in a team of 2 to build a garbage collector for C that supports multi-threading
• Implemented Mark-and-Sweep algorithm

ONLINE PROJECT MANAGER

• Online project manager that keeps track of tasks for each member in projects
• Used HTML, CSS, JS, AngularJS, NodeJS, MongoDB

EXPERIENCE

JPMORGAN CHASE | Software Engineer Part-Time Intern

Jan 2019 - Present | Chicago, IL
• Used machine learning to predict whether new legal obligations apply to commercial bank or any sub lines of business
• Explored different text classification models included SVM, word-level CNN, word-level bidirectnioal RNN, RCNN, attention-based bidirectional RNN, etc
• Used Jenkins to perform continuous integration and build automation to deploy our application to Cloud Foundry
• Integrated machine learning pipeline for Kubeflow (Machine Learning Toolkit for Kubernetes) into company's internal infrastructure
• Technology Used: Python - (Scikit-Learn, Tensorflow, Keras, Flask), Java, AngularJS

VISA | Software Engineering Summer Intern

May 2018 – Aug 2018 | Palo Alto, CA
• Improved transaction stamping API performance by switching from Apache Solr search engine to HBase. Ran data processing job using Apache Spark (Scala) and enhanced the stamping rate from 350 TPS to 1000 TPS
• Examined co-relation between 3rd party data (e.g. Yelp) to VisaNet data for specific Merchant categories. Built machine learning models that predict business merchant rating using recurring monthly transaction data
• Completed Back to Business project that provides near real-time merchant data when natural disasters like Hurricane Harvey happens
• Technology Used: Apache Spark (Scala), Apache HBase, Apache Hive, Python

TAXONWORKS | Software Engineering Part-Time Intern

Jan 2018 – Dec 2018 | Champaign, IL
• Built a streaming system on top of Google's RPC framework that has superior performance to conventional REST APIs using Python, PostgreSQL
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WESPLINE | Software Engineering Part-Time Intern

Jun 2017 – Dec 2017 | Champaign, IL
• Full-stack web development using Django framework with HTML, CSS, JavaScript, Python, Bootstrap
• Built a search Engine using Apache Solr to allow information retrieval

RESEARCH

UIUC FORWARD DATA LAB | Undergraduate Researcher

Sep 2017 – Dec 2018 | Champaign, IL
• Mentored by Prof. Kevin Chang in Forward Data Lab, created project **Web-Data-View**
• Building and improving a real-time chrome application that facilitates users to crawl data from any websites much easier and create models for crowd sourcing using JavaScript, Python/Flask, No SQL