WilsonWang

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Summary

Energetic individual with hands-on experience developing robust code as well as building efficient data pipeline. Passionate problem solver with positive attitude towards challenges and eager to learn new technology stacks. Looking for a Software Engineer opportunity.

Education

Arizona State University, Tempe, Arizona May 2018
Master of Science in Business Analytics (4.0 GPA)

National Taiwan University, Taipei City, Taiwan July 2017
Training Program in Computer Science and Information Engineering

Qualifications

- **Programming Languages:** Java, Python, SQL, R, NoSQL, JavaScript, CSS, HTML
- **Tools & Framework:** Django, Hadoop, MapReduce, HDFS, Hive, Spark, Docker, MySQL, MongoDB, Git, Linux, JSON, Tableau, Power BI
- **Exposure:** AWS, Scala, Kubernetes, HBase, Cassandra, PostgreSQL

Experience

Data Engineer
Cruise America, Mesa, Arizona June 2018 – Present

- Built enterprise pipeline and interface with Python and SQL to improve the efficiency and efficacy of daily business data flow.
- Performed ad-hoc analysis and analytics projects using Python and Power BI to visualize and improve the prediction of price and demand model.

Data Engineer (Capstone project)
Intel Corporation, Chandler, Arizona January 2018 – May 2018

- Analyzed time sensitive process data in assembly and testing, used R programming to fit the distribution of the data, and evaluated solutions based on sensitivity analysis.
- Built machine learning models in Python scikit-learn to divide process time data into several groups and conquer each one by simulating different dispatching policies.

Projects

Instagram Full-Stack Development

- Developed customized Instagram using Django framework, implemented CRUD operations through SQL database, built dynamic web API by JavaScript Ajax technique.

Google Auto Completion

- Built N-Gram library and language model using MapReduce framework, created Hadoop clusters through Docker, and visualized the result by connecting the data to MySQL database.

Data Driven Quality Management - Bike Co-op at ASU

- Led a team of 4 members to solve long wait time problem, used SAS and R to analyze the process data, decreased the average queue time for about 15 minutes, and recommended segregation of various service to improve service delivery.