Runyu Zhang

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EDUCATION

Cornell University Aug 2015 - Dec 2016

Master of Engineering in Electrical and Computer Engineering

GPA: 3.72/4

Courses: OO Programming and Data Structures, Web Design, Database Systems, Machine Learning, Operating Systems, iOS Development.

University of Electronic Science and Technology of China Sep 2011 - Jul 2015

Bachelor of Science in Measurement and Control Technology and Instrumentation

GPA: 3.85/4

PROJECT EXPERIENCE

Research Assistant, Cornell University Jul 2016 - Oct 2016

Python, HTML/CSS, JavaScript

Implemented a web crawler in Python which searched for keywords and fetched LinkedIn profiles of Cornell alumni graduated from Electrical and Computer Engineering department

Processed the data to remove duplication and verify data by comparison with the department data

Built MySQL databases of alumni which combined with the department databases

Database Systems Project Mar 2016 - May 2016

Java, Hadoop, SQL, NoSQL

Implemented MapReduce framework on Hadoop to process the file which converged in 10 rounds, 2 mappers and 2 reducers were used.

Realized BPlusTree structure that had comparable keys which were sorted in the nodes

Built a graph database in Neo4j with 3 types of nodes and relationships

Website Design Project Nov 2016 - Dec 2016

HTML/CSS, JavaScript

Designed a website that provided information of Apple Harvest Festival

Designed the style for the site in CSS and implemented slideshow gallery for images in JavaScript

Machine Learning Data Category Project Apr 2016 - May 2016

Python, Java

Realized dimension reduction for data with 1829 rows

Applied unsupervised learning methods including K-Means algorithm to divide the data into 2 groups

SKILLS

PROGRAMMING LANGUAGES

Java, HTML/CSS, JavaScript, SQL, Python, PHP, Swift

Technical Knowledge

Algorithms, Data Structure, Databases, Web Development, jQuery