

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.

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 to divide the data into 2 groups.

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.

SKILLS

Programming Languages

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

Technical Knowledge

Algorithms, Data Structure, Databases, Web Development, jQuery