ZHENG ZHANG

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Address: 2 Bayard Rd Apt 47 Pittsburgh, PA 15213

EDUCATION

Carnegie Mellon University, Pittsburgh, PA   Sep 2015 - Dec 2016(expected)
Carnegie Institute of Technology, GPA: 3.67/4.00

Tianjin University, Tianjin, China   Sep 2011 - Jul 2015
School of Science, GPA: 3.64/4.00

SKILLS

Programming	Proficient : Python, Java, HTML, CSS, JavaScript, BootStrap, jQuery, MySQL, Jekyll
	Familiar : C/C++, Git, Django, AJAX, AngularJS, AWS, Azure, EMR, Big Data
Software	Adobe PhotoShop, Adobe Illustrator

LINKS

LinkedIn	https://www.linkedin.com/in/zhengzhang1992
GitHub	https://github.com/xiaokelunjian
Web-App Gallery	http://www.routetheworld.com

COURSEWORK

Carnegie Mellon University
Cloud Computing; Client-Side Web Technologies; Data Structures for Application Programmers;
Introduction to Machine Learning(current); Fundamentals of Programming

PROJECTS

Wikipedia Big Data Analysis   Oct 2016 - Present
· Designed and created a RESTful web app based on MEAN stack, tested it with A/B test and optimized it.
· Performed replication with backend server with a load balancer based on Nginx and a Redis-based cache, wrapped them together with Docker.
· Improved query performance of the web application with Apache Cassandra system based on HDFS.

Travel Route Social Website   Mar 2016 - Apr 2016
· Designed, created and deployed a travel sharing web app based on Django MVC and SQLite database.
· Created the layout and elements of all the polished web pages using Bootstrap and jQuery framework.

Twitter User Data Analysis   Mar 2016 - Apr 2016
· Designed and created a cloud-based web application providing query services on a 1-TB-sized Twitter dataset.
· Designed and optimized MySQL and HBase database schemas for the back-end part of this web service.
· ETL the dataset using Amazon EMR based on Hadoop Streaming into the databases.

Contact Management Application   Mar 2016
· Created a contact management app with local storage to JSON file based on AngularJS.
· Implemented Google Maps API with AngularJS to show the location of that contact.

Cloud Storage System   Mar 2016
· Implemented the back-end of a cloud storage system providing storage and query of key-value pairs located on multiple areas.
· Applied replication and sharding strategies with MySQL and HBase databases for the cloud storage system.