Zezhou Huang

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RESEARCH INTERESTS

DBMS, Data Science, Machine Learning & Data Mining, Operating Systems, Distributed Systems

EDUCATION

Columbia University– New York City, NY
Ph.D. in Computer Sciences.
September 2019 – Present

University of Wisconsin-Madison – Madison, WI
B.S. in Computer Sciences.
May 2019

RESEARCH EXPERIENCE

Analysis of Housing Prices in Shanghai
East China Normal University, Summer 2016 – Summer 2017
Collect, filter and clean 12732 pieces of data from website using web crawler. Estimate housing prices through hedonic price models including OLS and GWR.
Publish an article "Spatial and hedonic analysis of housing prices in Shanghai" in Habitat International as the first author in July 2017.

Managed Storage Hierarchy in WiscKey
University of Wisconsin-Madison, Summer 2018 – Fall 2018
Evaluate WiscKey and LevelDB using different benchmarks. Add a layer between WiscKey and its APIs to trace the usage pattern and move data in the background. Design and build a managed storage hierarchy in WiscKey to combine the performance advantages of LevelDB.

Python Based Labeler and Micro Cloud Labeler
University of Wisconsin-Madison, Fall 2018
Make Python Based Labeler compatible on all three common platforms and improve its GUI. Maintain and extend the functionalities of Micro Cloud Labeler on Apache server. Deploy the micro service on AWS machines using Docker containers.

Python Missing Value Detector
University of Wisconsin-Madison, Spring 2019
Build the python version missing value detector using syntactic patterning, repeated patterning and statistical modeling.

Distributed Deep Neural Inspector
Columbia University, Fall 2019
Build the Distributed Deep Neural Inspector using Ray.