

# Weichang TANG

108 South River Road, 357A  
West Lafayette, IN, 47906

(765)-337-8855  
tang236@purdue.edu

## RESEARCH

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**Crowdsourcing, Human Computation, GIS**

**Advised by Prof. Alex Quinn in Computer Engineering and Prof. Nicole Kong in GIS**

## EDUCATION

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**Purdue University**

*Computer Engineering*

*Minor: Computational Science and Engineering (CS&E)*

**Master of Science in ECE**

**West Lafayette, IN**

*Expected: May, 2016*

**Jilin University**

*Civil Engineering*

**Bachelor of Science in Engineering**

**GPA:3.8/4.0**

**Changchun, P.R. China**

*June, 2014*

## RESEARCH PROJECTS

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**Research on Local Minimum Wage Problem for Crowdsourcing**

**West Lafayette, IN**

Team Member

*Nov 2014-Present*

- Make **web application and design UI** by Python, JavaScript, Html & CSS
- Build a statistical model and analyze with the data collected from the workers' responses

**Research on Open Geoportal Project**

**West Lafayette, IN**

Graduate Research Assistant

*Feb 2015-Present*

- The Open Geoportal is a collaboratively developed, open source, federated **web application** to rapidly discover, preview, and retrieve geospatial data from multiple repositories.
- Program with java to **ingest metadata** in the format of Fgdc and ISO to **Solr database**
- Make the **ArcGIS Server** compatible for downloading the metadata

## LANGUAGES AND SKILLS

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**Languages**

- Proficient: Java, Python, C, MATLAB, JavaScript, Html & CSS, jQuery
- Familiar: PHP, C++

**Design and Analysis Skills**

- SPSS, ENVI, ERDAS Imagine, ArcGIS

**Elective CS and Engineering Courses**

- Computing for Science and Engineering, Programming Parallel Machines
- Crowd-Powered System, Human Computer Interaction
- Objected-oriented Programming, Data Structure, C Programming
- Software Engineering, Computational Models and Methods
- Introduction to GPS navigation, Principle & Application of GPS Measurement
- Remote Sensing and GIS, Radar Remote Sensing, Photogrammetry