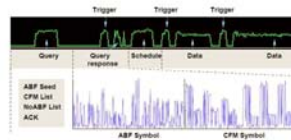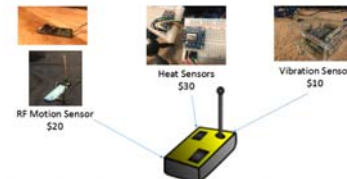# Zhenghao Zhang

Computer Science

zzhang@cs.fsu.edu

- My Research Background:
  - Wireless communication networks
    - Network protocol design, implementation, and testing
    - Network scheduling algorithm design and optimization
  - Sensors and applications
    - Fall detection
  - Data analysis
- How I'd Like to be Involved in a Smart Cities Project:
  - Working on a collaborative project with colleagues, can contribute on
    - Wireless communication system
    - Sensor network design and testing
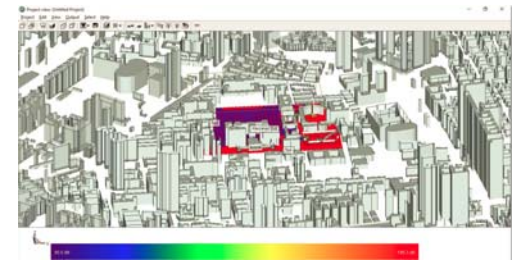   - Big data analysis

Recent work and grants

Analog Bloom Filter for 5G Networks

Wearable-Free Fall Detection

City LTE Big Data Analysis

- Recent NSF grants:
  - **Zhang, Zhenghao (PI). (Aug 2016–Jul 2019).** *NeTS: Small: Sparse Approximation of the Channel State Information For Wi-Fi Networks.* Funded by National Science Foundation. (1618358). Total award $360,751.
  - **Zhang, Zhenghao (PI). (Sep 2012–Aug 2017).** *CAREER: Addressing Fundamental Challenges for Wireless Coverage Service in the TV White Space.* Funded by National Science Foundation. (1149344). Total award $450,883.

Collaborative Collision: Smart Cities 2018