

# JIE CAO

Department of Computer Science

Wayne State University

Email: [jiecao@wayne.edu](mailto:jiecao@wayne.edu)

<http://codegreen.cs.wayne.edu/jiecao/>

5057 Woodward Ave, Suite 2218

Detroit, MI 48202

Phone: (313) 577-2477

Fax: (313) 577-6868

## RESEARCH INTERESTS

Edge Computing, Smart Home, Internet of Things, Mobile and Connected Health

## EDUCATION

Ph.D., Computer Science

Sep '11 – Current

Wayne State University, Detroit, Michigan, USA

Adviser: Professor Weisong Shi

B.S., Telecommunications Engineering

Sep '07 – Jul '11

Xidian University, Xi'an, China

## ACADEMIC HONORS AND AWARDS

Computer Science Department 2016 Outstanding Graduate Teacher's Assistant

Intel IoT Innovators

Best Student Paper Award of 2015 IEEE 17th International Conference on e-Health Networking, Applications and Services (HealthCom).

## PROJECTS

1. Vactrack (<http://wirelesshealth.wayne.edu/vactrack>)  
A Palm Vein-based Mobile Immunization Tracking and Information System.
2. StressBar (<http://codegreen.cs.wayne.edu/stressbar.html>)  
A System for Stress Information Collection and Personalized Recommendation.
3. H4H (Health For Heros)  
(<https://www.youtube.com/watch?v=tqB6Hqq3t2s&feature=youtu.be>) An iOS application that will help Veterans integrate their healthcare information, take an active role in their healthcare, and support their healthcare goals.
4. SOFIE: Smart Operating System For Internet Of Everything

## PUBLICATIONS

1. Weisong Shi, Jie Cao, Quan Zhang, Youhuizi Li and Lanyu Xu, Edge Computing: Vision and Challenges, IEEE Internet of Things Journal, June 2016.
2. Jie Cao, Mingyang Xu, Weisong Shi, Zhifeng Yu, Abdulbaset Salim and Paul Kiilgore, MyPalmVein: A Palm Vein-based Low-cost Mobile Identification System For Wide Age Range, in Proceedings of 2015 IEEE 17th International Conference on e-Health Networking, Applications and Services (HealthCom), Oct 14-16, 2015. Boston, USA. **(Best Student Paper Award)**
3. Jie Cao, Lingmei Ren, Weisong Shi and Zhifeng Yu, A Framework for Component Selection in Collaborative Sensing Application Development, in Proceedings of 10th IEEE Conference on Collaborative Computing: Networking, Applications and Worksharing, Oct 22-25, 2014. Miami, USA.