



# Xiaomin Ouyang





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## EDUCATION

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-  **The Chinese University of Hong Kong**  
Ph.D. in Information Engineering Aug.2019 – present  
Supervisor: Guoliang Xing and Jianwei Huang
  -  **Xiamen University**  
Bachelor in Communication Engineering Sep.2015 – Jul.2019  
GPA: **91.45/100** RANK: **1/68**








## PROJECTS

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-  **ADPro: A Multi-Sensor System for Longitudinal Monitoring of Alzheimer's Disease.**
  -  **ClusterFL: A Similarity-Aware Federated Learning System for Human Activity Recognition.**  
Published in MobiSys'21 Dec.2019 – April.2021
  -  **A Real-Time Baby Sleep Monitoring System based on Video Analysis.** (Final Year Project)  
Outstanding Undergraduate Thesis of Xiamen University Dec.2018 – May.2019
  -  **A UAV Clustered Show Systems Based on High Precision Indoor Positioning using UWB.**  
Owned a China Innovation Patent (Number: 2018575855.5). Oct.2017– Jun.2018



## PUBLICATION

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-  **ClusterFL: A Similarity-Aware Federated Learning System for Human Activity Recognition.**  
**Xiaomin Ouyang**, Zhiyuan Xie, Jiayu Zhou, Jianwei Huang, Guoliang Xing. (MobiSys'21)  
In The 19th ACM International Conference on Mobile Systems, Applications, and Services.
  -  **FedDL: Federated Learning via Dynamic Layer Sharing for Human Activity Recognition.**  
Linlin Tu, **Xiaomin Ouyang**, Jiayu Zhou, Yuze He, Guoliang Xing. (SenSys'21)  
In The 19th ACM Conference on Embedded Network Sensor Systems.
  -  **UltraDepth: Exposing High-resolution Texture from Depth Cameras**  
Zhiyuan Xie, **Xiaomin Ouyang**, , Xiaoming Liu, Guoliang Xing. (SenSys'21)  
In The 19th ACM Conference on Embedded Network Sensor Systems.

## AWARDS

- 
-  **Outstanding Graduate** of Xiamen University Jun.2019
  -  **"Ben Dong" Scholarship (Highest honor in Xiamen University, 6 students a year)** Apr.2018
  -  **National Scholarship** for Undergraduates (**Three times**) Nov.2018, Nov.2017, Nov.2016
  -  **Outstanding Award (Rank 1st)** of National Undergraduate Competition of IoT May.2018
  -  **The First Prize of National Undergraduate Electronic Design Contest** Sep.2017
  -  **The Second Prize** of Undergraduate Smart Car Competition of Fujian Province. May.2017
  -  **Outstanding Student Leader** of Xiamen University Dec.2017

## ACTIVITIES

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-  **Electronic Design Association** of Xiamen University **President** Sep.2017 – Sep.2018
  -  **Volunteer service (223 hours)** **Outstanding Youth Volunteer** Sep.2015 – Jun.2019