

Zhengyu Wu

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EDUCATION

Shanghai Jiao Tong University (SJTU) Sep. 2015 to Jun. 2020 (expected)
School of Electronic Information and Electrical Engineering

- B.S. Software Engineering
- Major GPA: 3.65/4.3
- Related Courses: Linear Algebra (90/100), Probability and Statistics (94/100), Computer Vision (96/100)

RESEARCH INTEREST

Data Mining, Machine Learning

PUBLICATIONS

Xuecheng Li, **Zhengyu Wu**, Ting Han Gamification-Based VR Rowing Simulation System. HCI (2) 2019: 484-493 [Paper](#)

Xibai Li, **Zhengyu Wu**, Yan Sun, et al. A Method to Diagnose Discoid Lateral Menisci on Radiographs Using Image Processing Tools and Machine Learning. Knee Surgery, Sports Traumatology, Arthroscopy (under review)

Zhengyu Wu, Liwei Lin, Zhengui Xue. A Novel Sybil Attack Detection Scheme Based on Edge Computing for Mobile IoT Environment. (manuscript)

RESEARCH EXPERIENCE

Pain Detection Jul. 2019 to Sep. 2019
Supervised by Prof. Virginia de Sa (University of California, San Diego)

- Research assistant for summer internship
- Synchronize EEG signals and video frames which contributes to further publications
- Help build deep learning model for pain detection which achieves state-of-the-art results

VR Rowing Simulation System Dec. 2018 to Jan. 2019
Advised by Prof. Ting Han (SJTU)

- Implement a VR rowing machine using Unity
- Publish a paper on HCI 2019

Detecting Sybil Attack in Mobile IoT Oct. 2016 to Oct. 2017
Supervised by Prof. Ruihui Ma (SJTU)

- Team leader in this project
- Propose a novel detection scheme based on cloud computing against Sybil attack in IoT

HONORS & AWARDS

Wish Company Scholarship (Top 2%)	2018
Academic Excellence Scholarship of Shanghai Jiao Tong University (Top 10%)	2016&2018
Excellent Student Cadre of Shanghai Jiao Tong University (Top 0.5%, twice)	2016&2017
National Second Prize in Mathematical Contest in Modeling (Top 5%)	2017
4th Place in Odyssey of the Mind Competition Finals in Iowa, USA	2018

MISCELLANEOUS

Social work

- President of Building Management Committee in SJTU, Class Monitor

Skills

- Computer Skills: C++/C, Python, SQL, Pytorch, Springboot
- Standardized Tests: TOFEL: 96, GRE: V: 152, Q: 169, AW: 3