Xuan Kan

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Education

Emory University — **Altanta, US**
PhD of Computer Science and Informatics at CS Department — *Sept.2019–Now*
Advisor: Prof. Carl Yang and Prof. Ying Guo

Tongji University — **Shanghai, China**
Bachelor of Software Engineering in School of Software Engineering — *Sept.2014–Jul.2018*

- **GPA:** 4.55/5.0 (Tongji), 3.97/4.0(Emory)
- **Main Courses:** Artificial Intelligence, Machine Learning, Data Mining, Graph Mining, Information Retrieval, Advanced Database, Numerical Analysis

Skills

- **Programming:** Adept in Python, PyTorch, C++, Java, C, familiar with Tensorflow, JavaScript
- **Platforms:** Linux, MacOS, Anaconda

Honor and Awards

- 2018 Outstanding Graduates for Tongji University (Top 5%)
- 2017 National Scholarship (Top 1.6%)
- 2017 American Mathematical Contest in Modeling (S prize)
- 2017 Tongji University Programming Competition (Second Prize)
- 2017 National Undergraduate Innovation Programs
- 2016 China Undergraduate Mathematical Contest in Modeling (First Prize in Shanghai & Second Prize in National Level)
- 2016 Android Entrepreneurship Student Challenge by Google Inc.(Sliver Prize)
- 2015 & 2016 Tongji University Scholarship for Outstanding Students (Twice)

Publication

- **Xuan Kan**, Hejie Cui, Ying Guo, Carl Yang. "Effective and Interpretable fMRI Analysis via Functional Brain Network Generation", ICML 2021 Workshop for Interpretable Machine Learning in Healthcare 2021, **IMLH@ICML 2021**
- **Xuan Kan**, Hejie Cui, Carl Yang. "Zero-Shot Scene Graph Relation Prediction through Commonsense Knowledge Integration", The European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases 2021, **ECML-PKDD 2021**
- Xiaoxuan Lu*, **Xuan Kan***, Stefano Rosa, Bowen Du, Hongkai Wen, Andrew Markham, Niki Trigoni. "AutoTune: Autonomous Learning for Face Recognition in the Wild via Ambient Wireless Cues", The Web Conference 2019, **WWW 2019** (Co-first author)

- Xiaoxuan Lu, **Xuan Kan**, Bowen Du, Changhao Chen, Hongkai Wen, Andrew Markham, Niki Trigoni, Jack Stankovic. "Poster Abstract: Towards Self-supervised Face Labeling via Cross-modality Association", The 15th ACM Conference on Embedded Networked Sensor Systems, **SenSys'2017**

- Xiaoxuan Lu, Bowen Du, **Xuan Kan**, Hongkai Wen, Andrew Markham andNiki Trigoni. "VeriNet: Passcode-Preserving User Verification on Smartwatches via Behavior Biometrics", The 1st ACM Workshop on Mobile Crowdsensing Systems and Applications, **CrowdSys'2017** (Colocated with MobiSys

Internship

Researcher Intern   **Beijing, China**
SenseTime   *Feb.2019-July.2019*

- Designed the search space for MobileNetV2.
- Measured the running time of different modules in mobile devices.
- Leveraged Neural Architecture Search to improve efficiency and accelerate the inference of neural networks on face anti-spoofing and stereo matching.

Researcher Intern   **Oxford, UK**
Cyber Physical Systems Group @ University of Oxford   *April 2017-May.2018*

- Autonomous Learning for Face Recognition in the Wild: proposed a method using Wi-Fi appearance information to label images automatically in wild and implemented a pipeline framework to label capturing images and fine-tune models.
- Real-time Liquids Intake Monitoring: utilized a SVM model to detect actions for drinking water in Android Wear OS.
- Biometric Verification without Leak: developed an app in Android Wear OS for collecting user motion data and implemented a method like counting cpu time slice to calculate the energy and CPU consumption of watch app.

Vocational Training Intern   **Shanghai, China**
Shanghai Labs, SAP   *Jun.2016-Aug.2016*

- Selected as an excellent candidate for SAP vocational training project and learned ABAP development.

Academic Services

PC Member
- ICCV 2021 Workshop on Computer Vision for Automated Medical Diagnosis
- ICML 2021 Workshop on Interpretable Machine Learning in Healthcare

TA
- CS170 Introduction to Computer Science
- CS326 Analysis of Algorithms