Xiaming Chen
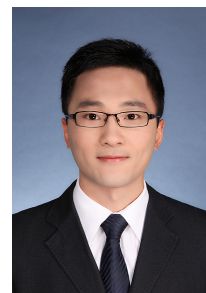
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EDUCATION CAREER

2011.09～2016.06	Shanghai Jiao Tong University	PhD in Communication Engineering
2006.09～2010.07	Xidian University	Bachelor in Applied Optical Physics

RESEARCH & PROJECTS

Research Area — **Mobile network traffic mining and human spatiotemporal behavior analysis**
- Publications on CS confs/journals like ICTC, MobiGIS, ICC, Optical Engineering etc.

2013.01～2013.12 — **User Behaviour Analysis with Network Traffic (Cooperated with Huawei, Shanghai)**
- Mining and modeling human behavior from mobile traffic
- Design and implementation of algorithm for user activity detection

2012.02～2012.9 — **HTTP Performance and User Experience Evaluation (Cooperated with China Telecom)**
- Responsible for network traffic capturing and protocol performance analysis

2011.06～2012.01 — **Personalized TAG Language APP, Taguage (www.taguage.com)**
- Develop main logic of backend service for Android client
- User TAG processing and national language mining

2010.09～2014.10 — **Service-awareness in optical network convergence (National 973 Fund, 2010CB328205)**
- Responsible for analyzing HTTP performance with user experience optimization
- Experimental platform construction and data analysis

PRINCIPLE SKILLS & EXPERIENCE

Major
- Theoretical foundations in statistical analysis and machine learning
- Essential knowledge of algorithm design and database technology
- Theoretical and practical experience in computer network protocol analysis
- Essential knowledge of functionality and design principles of Hadoop/Spark platforms

Programming
- Familiar with Python, Java and R programming, have realistic projects experience
- Familiar with C lang. and have experience in network and multithreading programming
- Have TB data processing experience based on Hadoop MR, Pig, Hive and Spark
- Master Linux basics and Shell programming skills
- Fluent in SQL and familiar with MongoDB development
- Featured projects on Github: treelib, http-sniffer, pkt2flow, libwayback etc.

Internship
As intern in Data Platform Group, Transwarp (Shanghai) Ltd., 2015

SCHOLARSHIPS & HONOURS

- 1st Prize of the Second Technology Innovation Contest of Big Data in China, 2014 (as the team leader)
- Scholarship of the State Key Lab of Shanghai Jiao Tong University in 2012 and 2014 respectively
- Blackberry scholarship of Shanghai Jiao Tong University in 2012