

Zhehao Wang

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EDUCATION

University of California, Los Angeles

Sep 2015 - Present

M.S. in Computer Science (Expected graduation date: Dec 2016)

Advisor: Lixia Zhang

Xi'an Jiaotong University, China

Sep 2010 - Jun 2014

B.E. in Computer Science & Technology (Special Program for the Gifted Young)

Major GPA: 89/100

EXPERIENCE

The Center for Research in Engineering, Media and Performance, UCLA Feb 2014 - Present
Graduate Student Researcher; Staff Software Developer (through Aug, 2015)

- **Named Data Networking** (NDN) future Internet architecture project, funded by the NSF
 - NDN building automation management system (Python), which receives and aggregates data from UCLA's campus system and encrypts them for access control
 - In-browser consumer (JS) for real-time NDN data from OpenPTrack, a multi-person tracking system
 - NDN multiplayer game (C#, Unity), which explores NDN synchronization in peer-to-peer online games
 - Performance improvements for NDNFS (C, Fuse), a file system that supports data access from remote
 - Chat application for the NDN tutorial in the *2nd ACM Conference on Information-Centric Networking*
 - NDNFit (Java, Android), a mobile health application investigating security in NDN
- **Future of Storytelling** project, funded by Google
 - Fountainhead, a markup parser for a screenwriting language that generates a webpage, which uses web components and NDN for real-time show control
 - Public-facing website for the Los Atlantis project (<http://the-archive.la>), which is used for user registration, online show watching and real-time show interaction
 - Administrator website (JS, Google API) for GracePlains, which creates a live roleplaying game experience with Google Glass

Key Lab for Network Security, Xi'an Jiaotong University

Jul 2011 - Jul 2013

Undergraduate Researcher

- Contributed to high-speed (10Gbps Ethernet/2.5Gbps POS) network traffic capture system
- Implemented server status monitoring and task scheduling module (C++) for lab servers

PUBLICATIONS

J. Lee, A. Kapoor, M. Al Amin, **Z. Wang**, Z. Zhang, R. Goyal, and T. Abdelzaher. Infomax: An information maximizing transport layer protocol for named data networks. In *Computer Communication and Networks (ICCCN), 2015 24th International Conference on*, pages 1–10, Aug 2015

J. An, X. Gui, **Z. Wang**, J. Yang, and X. He. A crowdsourcing assignment model based on mobile crowd sensing in the internet of things. *Internet of Things Journal, IEEE*, 2(5):358–369, Oct 2015

Z. Wang, Z. Qu, and J. Burke. Demo overview-matryoshka: Design of NDN multiplayer online game. In *Proceedings of the 1st International Conference on Information-centric Networking, ICN '14*, pages 209–210, New York, NY, USA, 2014. ACM

TECHNICAL SKILLS & PROFILES

Languages	Python, JavaScript, C, C++, C#, Java, PHP, OCaml, Matlab
Tools & Platforms	MySQL, Cassandra, LaTeX
Github Repository	https://github.com/zhehaowang
Linkedin Profile	https://www.linkedin.com/pub/zhehao-wang/69/398/157

AWARDS & SCHOLARSHIPS

Outstanding Graduating Senior of Xi'an Jiaotong University (10%)	2014
Meritorious Winner of International Mathematical Contest in Modelling	2013
UCLA-CSST Scholarship (9000 USD)	2013
3 rd Class Award in ACM Competition of Xi'an Jiaotong University	2011