

# Zhehao Wang

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## EDUCATION

### University of California, Los Angeles

Sep 2015 - Present

M.S. in Computer Science (Expected graduation date: Mar 2017)

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 *2<sup>nd</sup> 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

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

## 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 <sup>rd</sup> Class Award in ACM Competition of Xi'an Jiaotong University	2011