

# Zhehao Wang

zwang@hudson-trading.com

## WORK EXPERIENCE

---

### Hudson River Trading

Algorithm Engineer, Global Equities Market Making Team

Dec 2018 - Present

New York, New York

- Design, implement and improve performance of low-latency market making strategies in automated trading platform (C++).
- Build and maintain a research and simulation environment for strategy backtesting (C++/Python).

### Bloomberg LP

Software Engineer, Derivatives Pricing Team

Jun 2017 - Dec 2018

New York, New York

- Implement structured product (bond) loading as a service on cloud infrastructure (C++).
- Expand Bloomberg Terminal and API coverage for financial products in emerging markets (C++).
- Prototype a regression testing framework (C++, Python) using an in-house distributed logging service.

### National Institute of Standards and Technology

Guest Researcher

Jul 2016 - Sep 2016

Gaithersburg, Maryland

- Design a building management system on top of content-centric networking paradigm.
- Present content-centric networking architecture and application development libraries before Advanced Networking Research Division.

### Center for Research in Engineering, Media and Performance, UCLA

Software Engineer, Graduate Student Researcher

Feb 2014 - May 2017

Los Angeles, California

- **Named Data Networking** (NDN) future Internet architecture project, funded by the NSF
  - Internet of Things framework (C++, Python, JS, C#): design trust and bootstrap, device discovery, and application pub/sub in a smart home context.
  - *NDNFit* (Java, Android): mobile health application to demonstrate data encryption and verification
  - *NDNMOG* (C#, Unity): multiplayer online game built on top of distributed synchronization
- **Future of Storytelling** project, funded by Google
  - *Fountainhead*: markup parser to turn screenwriting languages into webpage with active components.
  - *GracePlains* website (JS): roleplaying game with players receiving live feed from Google Glass.

## EDUCATION

---

### University of California, Los Angeles

M.S. in Computer Science

Advisor:

Lixia Zhang

GPA:

3.9/4

Sep 2015 - Apr 2017

### Xi'an Jiaotong University, China

B.S. in Computer Science

Major GPA:

89/100

Sep 2010 - Jun 2014

## SKILLS & PROFILES

---

**Programming Languages** C++ (proficient), Python (proficient), JavaScript, C#, Matlab

**Github repository** <https://github.com/zhehaowang>

**Linkedin profile** <https://www.linkedin.com/in/zhehao-wang-15739869>

## PUBLICATIONS

---

W. Shang, **Z. Wang**, A. Afanasyev, J. Burke, and L. Zhang. Breaking out of the cloud: Local trust management and rendezvous in Named Data Networking of Things. In *Proceedings of the 2nd ACM/IEEE International Conference on Internet-of-Things Design and Implementation (IoTDI)*, April 2017

H. Zhang, **Z. Wang**, C. Scherb, C. Marxer, J. Burke, L. Zhang, and C. Tschudin. Sharing mhealth data via named data networking. In *Proceedings of the 3rd ACM Conference on Information-Centric Networking*, ACM-ICN '16, pages 142–147, New York, NY, USA, 2016. ACM

P. Gusev, **Z. Wang**, J. Burke, L. Zhang, T. Yoneda, R. Ohnishi, and E. Muramoto. Real-time streaming data delivery over named data networking. *IEICE Transactions on Communications*, E99.B(5), 2016