Zhehao Wang

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WORK EXPERIENCE

Bloomberg LP   Jun 2017 - Present
New York, New York   *Software developer*

- · **Derivatives pricing team**
  - Bond structuring service (C++): pilot the development of product loading module as a service on cloud infrastructure. Enforce coding conventions and integrate with continuous integration tools.
  - Pricing engine (C++): expand engine coverage for financial products in emerging markets and maintain pricing libraries.
  - Quality assurance and regression test framework (C++, Python): build a logging service integrated with pricing engine. Set up regression tests to improve quality assurance workflow.
- · **Financial software developer training class**
  - Trainee-team matching platform (JS): prototype a web-based tool matching trainees with teams given their preferences to maximize overall level of satisfaction.
  - Graduated top of class.

Center for Research in Engineering, Media and Performance, UCLA   Feb 2014 - Jun 2017
Los Angeles, California   *Graduate student researcher*

- · **Named data networking** (NDN) future Internet architecture project, funded by the NSF
  - Internet of Things framework (C++, Python, JS, C#): implement trust and bootstrap, device discovery, and application-level pub/sub in a smart home context.
  - Building management system (Python): design an application that receives, aggregates and visualizes indoor sensing data from UCLA's campus system.
  - *NDNFit* (Java, Android): build a mobile health application piloting security research in NDN.
- · **Future of storytelling** project, funded by Google
  - *Search for Global Song* (Python): design and implement a dynamic rule-based film shots intercutting and streaming system.
  - *Fountainhead* (JS): build a markup parser for a screenwriting language which generates an interactive webpage for cueing live stage performance.
  - *Los Atlantis* (JS): develop a web service handling user registration, stage performance streaming and audience real-time interaction.

National Institute of Standards and Technology   Jul 2016 - Sep 2016
Gaithersburg, Maryland   *Guest researcher*

- Design NDN building management system visualization.
- Give lectures to Network Research Division on NDN architecture and application development.

EDUCATION

University of California, Los Angeles   Sep 2015 - Mar 2017
M.S. in Computer Science
Advisor: Lixia Zhang
GPA: 3.9/4

Xi'an Jiaotong University, China   Sep 2010 - Jul 2014
B.E. in Computer Science & Technology
Major GPA: 89/100

SKILLS & PROFILES

Languages	Python (advanced), C++ (advanced), JS (advanced), C, C#, Matlab
Github repository	https://github.com/zhehaowang
Linkedin profile	https://www.linkedin.com/in/zhehao-wang-15739869

PUBLICATIONS

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