

ZEBO YANG

Washington University in St. Louis, MO 63130
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EDUCATION

Washington University in St. Louis

Aug 2021 - Present

Ph. D. student in Computer Science

- Advisor: Prof. Raj Jain
- Research Area: Quantum Computing, Quantum Networks, Network Security, Blockchains, and Machine Learning.
- Teaching Assistant: CSE574S: Recent Advances in Wireless and Mobile Networking (Fall 2022 and Fall 2020), CSE473S: Introduction to Computer Networks (Spring 2022)

Washington University in St. Louis

Aug 2019 - 2021

Visiting Scholar

- Advisor: Prof. Raj Jain

Waseda University

Aug 2017 - 2019

Master's in Computer Engineering

- Advisor: Prof. Tatsuo Nakajima
- Research Area: Ubiquitous Computing, Distributed Systems, Internet of Things.

Guangdong University of Foreign Studies

Aug 2008 - 2012

Bachelor's in Computer Engineering

EXPERIENCE

DJI, Inc.

Jul 2015 - 2017

Senior Software Engineer

Shenzhen, China

- Role: Lead of the hybrid-app team in the R&D department.
- Responsibility: Led the design and development of the hybrid software application, including DJI Assistant 2, DJI Ground Station, Drone Simulator Game, and the internal hybrid-app framework.

Misfit Wearables

Jul 2014 - 2015

Senior Web Developer

Shenzhen, China

- Role: Web product owner.
- Responsibility: Design and development of web products, including my.misfit.com, store.misfit.com, and misfit.com.

Baidu, Inc.

Jul 2011 - 2014

Senior Software Engineer

Shenzhen, China

- Role: Web-end developer.
- Responsibility: Development of software and web products for overseas users.

Tencent, Inc.

Jul 2010 - Oct 2010

Web Engineering Intern

Shenzhen, China

- Role: Intern Engineer.
- Responsibility: Development of the web end of Tencent Pay.

PUBLICATIONS

- Zebo Yang, Maede Zolanvari, and Raj Jain. A survey of important issues in quantum computing and communications. *IEEE Communications Surveys & Tutorials*, 2023
- Tara Renduchintala, Haneen Alfauri, Zebo Yang, Roberto Di Pietro, and Raj Jain. A survey of blockchain applications in the fintech sector. *Journal of Open Innovation: Technology, Market, and Complexity*, 8(4):185, 2022
- Zebo Yang, Tara Salman, Raj Jain, and Roberto Di Pietro. Decentralization using quantum blockchain: A theoretical analysis. *IEEE Transactions on Quantum Engineering*, 3:1–16, 2022
- Maede Zolanvari, Zebo Yang, Khaled Khan, Raj Jain, and Nader Meskin. Trust xai: Model-agnostic explanations for ai with a case study on iiot security. *IEEE internet of things journal*, 2021
- Zebo Yang, Ali Ghubaish, Devrim Unal, and Raj Jain. Factors affecting the performance of sub-1 ghz iot wireless networks. *Wireless Communications and Mobile Computing*, 2021:1–13, 2021
- Zebo Yang, Mingshu Zhang, Taili Zhang, Linhao Fu, and Tatuso Nakajima. Real world third-person with multiple point-of-views for immersive mixed reality. In *Society with Future: Smart and Liveable Cities: First EAI International Conference, SC4Life 2019, Braga, Portugal, December 4-6, 2019, Proceedings 1*, pages 97–108. Springer International Publishing, 2020
- Zebo Yang. Sloth: a reconfigurable compiler for task-based intermittent programming. *Waseda University*, 2019
- Zebo Yang and Tatsuo Nakajima. Connecting smart objects in iot architectures by screen remote monitoring and control. *Computers*, 7(4):47, 2018

PATENTS

- Zhuo Guo, Zhuo Xie, Haoyu Li, Wenlin Li, Ding Wang, and Zebo Yang. Flight control method and apparatus, and control device, December 30 2021. US Patent App. 17/473,543
- Zhuo Guo, Zhuo Xie, Haoyu Li, Wenlin Li, Ding Wang, and Zebo Yang. Flight control method and apparatus, and control device, September 14 2021. US Patent 11,119,506
- Zhuo Guo, Zhuo Xie, Zebo Yang, Wenlin Li, Lei Wang, Ding Wang, and Haoyu Li. Flight control method, device, and smart terminal, July 18 2019. US Patent App. 16/361,659

AWARDS AND HONORS

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| 2023 | Paper featured on social media of IEEE Communications Surveys & Tutorials |
| 2019 | CSCE Department Award - Waseda University |
| 2009-2010 | 2 nd Prize of the National Universities Open Source and Innovation Contest |
| | 2 nd Prize of the National Challenge Cup Competition |
| 2008-2012 | Scholarship from the School of Informatics |

TECHNICAL STRENGTHS

Full-Stack Developer with years of industry and research experience in computer systems and networks, skilled in Node.js, Python, C/C++, Go, Serverless architectures, and hybrid-app development.

Computer Languages	Python, Node.js, C/C++, etc.
Databases	NoSQL (Dynamodb, Mongoddb), MySQL, etc.
Tools	Matlab, Wolfram, Vim, etc.