

HAOQIAN ZHANG

Curriculum Vitae

Swiss Federal Institute of Technology Lausanne
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Educational Background

- 2019-Now **Swiss Federal Institute of Technology Lausanne**, Switzerland
Program: Doctoral in Computer and Communication Sciences, School of Computer and Communication Sciences
GPA: 6.0/6.0
Supervisor: Professor Bryan Ford
- 2017-2019 **Hong Kong University of Science and Technology**, Hong Kong
Program: Master of Philosophy in Computer Science and Engineering, School of Engineering
GPA: 3.83/4.3
Supervisor: Professor Ke Yi
- 2013-2017 **Peking University**, Beijing, China
Program: Bachelor of Computer Science, School of EECS
Major GPA: 3.50/4.0
Overall GPA: 3.44/4.0
- 2016 **National Taiwan University**, Taipei, Taiwan
Exchange College: Electrical Engineering and Computer Science
- 2015 **Israel Institute of Technology**, Haifa, Israel
Summer School: Introduction to Machine Learning (Engineering and Science Courses)
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Publications

Haoqian Zhang, Yaocheng Zhao, Abhishek Paryani, Ke Yi, *Infnote: A Decentralized Information Sharing Platform Based on Blockchain*

Han Luo, Haoqian Zhang, Mingzhu Wang, Jack C.P. Cheng, *Posture Estimation Of Construction Equipment For Construction Site Safety Using Computer Vision Techniques*, CONVR2018, **Best Paper Award**.

Experience

- 2009–2014 **Tyvj**, *Founder*, an Online Judge Platform for algorithm problems and competitions.
Introduction: In 2012, it had become one of the largest online judge systems for algorithm in China, having more than 40,000 users, 300,000 page views per day and more than 2000 algorithm programs.
- 2017 **University of Oxford**, *Oxford Martin School, Institute of New Economic Thinking*, Internship.
Topic: Developed state of the art Economic Simulation for Bank of England and European Central Bank
Supervisor: Professor J. Doyne Farmer
- 2016–2017 **Peking University**, *School of EECS, Department of Computer Science, Microprocessor Research and Development Center*, Research Assistant.
Topic: Code Similarity Analysis Based on Control Flow Graph
Supervisor: Professor Xianhua Liu
- 2014–2016 **Peking University**, *School of EECS, Department of Computer Science, Artificial Intelligence Lab*, Research Assistant.
Topic: General Game Play, AI Battle Platform (Botzone.com) and Game Design
Supervisor: Professor Wenxin LI
- 2016 **Ben-Gurion University of the Negev**, *Department of Computer Science, Data Mining and Business Intelligence Summer Program*.
Topic: Anomaly Detection of Cyber Security Attacks aimed at Da Vinci Surgical System
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- 2016 **Participant**, NUS WORKSHOP ON CONTEMPORARY RESEARCH IN COMPUTER SCIENCE AND INFORMATION SYSTEMS 2016, School of Computing, National University of Singapore.
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- 2014 **Nation Olympiad in Informatics 2014**, *Shenzhen, China*, Technical Staff.
Project: Developing judge system and designing problems for the AI competition.
- 2011 **Taiyuan Science And Engineering Tiancheng Technology Company Limited**, *Taiyuan, China*, Internship.

Topic: Developing Mining Management Systems

Teaching

- 2020 **Lab in data science**, SPRING 2019-2020, Swiss Federal Institute of Technology Lausanne, Teaching Assistant.
- 2017-2019 **ACM/ICPC Programming Team**, 2017-2018, 2018-2019, Hong Kong University of Science and Technology, Coach.
- 2018 **Honors Competitive Programming**, SPRING 2017-2018, Hong Kong University of Science and Technology, Teaching Assistant.
- 2017 **Compiler Lab (Honor Track)**, SPRING 2016-2017, Peking University, Teaching Assistant.

Awards

- 2019 PhD fellowships, EPFL
- 2019 Best Project Award, BETH: Blockchain School for Sustainability, ETH Zurich
- 2018 Best Paper Award, CONVR2018
- 2017,2018 Postgraduate Scholarship, HKUST
- 2014 Tung OOCL Scholarship of Peking University
- 2014,2015 ACM competition at Peking University, Third Prize
- 2012 China Team Selection Competition for International Olympiad in Informatics, Bronze Medal
- 2012 Asia-Pacific Informatics Olympiad (China Region), Silver Medal
- 2011 Asia-Pacific Informatics Olympiad (China Region), Bronze Medal
- 2012 National Olympiad in Informatics, Silver Medal
- 2011 National Olympiad in Informatics, Bronze Medal
- 2012 National Olympiad in Informatics, ShanXi Province, Fourth Place

Skills

Languages

Chinese: Native
English: Fluent, TOEFL 101, IELTS 7
French: Basic

Computer Skills

Matlab (proficient), Python (proficient), C (proficient), C++ (proficient)
C# (proficient), Java (basic), HTML/CSS (proficient), JS (proficient)
Latex (proficient), SQL (proficient), Swift (basic), Node.js (proficient)