Scofield Zhengqing Liu

Personal Website   LinkedIn   GitHub   Email

Address: Room 407, Huxley Building, South Kensington Campus, London

Research Interests	**Datacenter Systems, Parallelism & Concurrency, Distributed Systems** **Language Runtime, Multicore Scheduling, Memory Systems**

Education

Imperial College London   London, UK
Ph.D., Large-Scale Data & Systems Group   02/2023 – Present
Research Topic: Latency-critical datacenter systems
Advisor: Marios Kogias

École Polytechnique   Paris, FR
Master Degree with Honours, Internet of Things   09/2020 – 08/2022
Advisors: Thomas Heide Clausen, Juan Antonio Cordero   GPA: 3.85/4

South China University of Technology   Guangzhou, CN
Bachelor Degree, Electrical Engineering   09/2017 – 08/2020
                                                                                                          GPA: 86.8/100

Experience

Mysten Labs   London, UK (Remote)
Ph.D. Intern in Systems Research   06/2024 – 08/2024
Advisors: Alberto Sonnino, Lefteris Kogias, George Danezis
Low-latency distributed transaction scheduling

Max Planck Institute for Informatics (MPI-INF)   Saarbrueken, GE
Research Intern   04/2022 – 01/2023
Advisor: Yiting Xia
Optical datacenter network design via programmable switches and SmartNICs

INRIA   Paris, FR
Research Assistant   12/2021 – 03/2022
Advisor: Marc Shapiro
Query processing for geo-distributed datastores via actor model (AKKA)

ETH Zurich   Zurich, CH
Research Intern   04/2021 – 08/2021
Advisor: Romain Jacob, Laurent Vanbever
Failure-reroute network protocol via P4 software switches

Publications

[1] Taming Non-determinism without Performance Cost for Microsecond-scale Datacenter Applications (Title fuzzed)
Zhengqing Liu, Musa Unal, Matthew J Parkinson, Marios Kogias
In submission

[2] Anonymized title
Yiming Lei, Jialong Li, **Zhengqing Liu**, Raj Joshi, Yiting Xia
In submission

Services

Artifact Evaluation Committee
ASPLOS 24, EuroSys 24/23, SOSP 23, OSDI 23, ATC 23

Teaching Assistant
Operating Systems 24/23, Network Systems 23, Network and Communication 23

Student Helper
SoCC 2023 PC Meetings, SIGCOMM 2022 (N2Women Workshop)

Awards and Honors

Doctoral Scholarship Award (Imperial College London)	2023
ACM SOSP Student Travel Scholarship	2023
X-Foundation Scholarship (École Polytechnique)	2021
Admission Scholarship (École Polytechnique)	2020
First-class Scholarship Award (South China University of Technology)	2018

Skills

Programming
C/C++, Rust, Golang, Java, Python, Bash, Scala, P4, Vim

Languages
English, Mandarin, French (B1)

Updated on 05/2024