YUYANG SANG

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(+1)475-209-0548 ⋄ yuyang.sang@alibaba-inc.com

EDUCATION

Yale University, United States   *Sept 2017 - Dec 2024*
Ph.D. in Computer Science
Advisor: Zhong Shao

University of Science and Technology of China, China   *Sept 2012 - June 2016*
Bachelor in Computer Science   GPA: 3.86/4.3 Rank: 4/103

SKILLS

OCaml, Coq, C, C++, LLVM, Java, Go, Python

PUBLICATIONS

- **Yuyang Sang**. *Objective DeepSEA: A Language for Developing Modular Certifiable System Software.* PhD thesis, Yale University, 2024

- **Yuyang Sang**, Christian Altamirano, Ben Chaimberg, Anitha Gollamudi, and Zhong Shao. Layered and object-based noninterference. *in submission*

- **Yuyang Sang**, Ning Luo, Samuel Judson, Ben Chaimberg, Timos Antonopoulos, Xiao Wang, Ruzica Piskac, and Zhong Shao. Ou: Automating the parallelization of zero-knowledge protocols. (CCS), *2023*

- Vilhelm Sjöberg, **Yuyang Sang**, Shu chun Weng, and Zhong Shao. Deepsea: A language for certified system software. *Proc. ACM Program. Lang.*, 3(OOPSLA), 2019

WORKING EXPERIENCE

Alibaba Cloud US LLC   *Aug 2024 - present*
Supervisor: Ennan Zhai   *Technology Research Expert*

Alibaba Group (U.S.) Inc.   *Jun 2019 - Aug 2019*
Supervisor: Ennan Zhai   *Research Intern*

Suzhou Institute for Advanced Study of USTC   *Sept 2016 - Apr 2017*
Supervisor: Xinyu Feng   *Software engineer*

AWARDS

Alibaba Star Offer   *2024*
Alibaba Star Offer is the highest offer or outstanding Ph.D. graduates, with no more than 10 positions offered annually by Alibaba.

Roberts Innovation Funds: ZK4ALL   *2023*
The Roberts Innovation Fund was launched in 2022 to provide funding, mentoring, and strategic support for Yale faculty-led projects to assist in the commercialization of breakthrough inventions that solve real-world problems. ZK4ALL establishes a standard programming framework for working efficiently with cloud-ready zero-knowledge proofs.
Team: Ruzica Piskac, Timos Antonopoulos, Ning Luo, Yuyang Sang, Xiao Wang

TEACHING EXPERIENCE

Yale University

Teaching fellow, CS327 Object-Oriented Programming *Fall 2021 - Spring 2023*
Teaching fellow, CS424/524 Parallel Programming Techniques *Spring 2021*
Teaching fellow, CS327 Object-Oriented Programming *Fall 2020*
Teaching fellow, CS428/528 Language-Based Security *Spring 2020*
Teaching fellow, CS437/537 Intro to Database Systems *Fall 2019*
Teaching fellow, CS 423/523 Principles of Operating Systems *Spring 2019*
Teaching fellow, CS 323 Introduction to Systems Programming *Fall 2018*

University of Science and Technology of China

Teaching assistant, Principles of Compiler *Spring 2016*