HANFEI YU

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EDUCATION

Louisiana State University, Baton Rouge, USA   2021 - Present
Doctor of Philosophy in Computer Science

University of Washington, Tacoma, USA   2019 - 2021
Master in Computer Science and Systems
GPA: 3.96/4.0

Shanghai Jiao Tong University, Shanghai, China   2015 - 2019
Bachelor in Electronic Engineering

WORK EXPERIENCE

Louisiana State University, Baton Rouge, USA   June 2021 - Present
Research Assistant

IntelliSys Lab

University of Washington, Tacoma, USA   Sep 2020 - Jan 2021
Research Assistant

Cloud and Distributed Systems (CDS) Research Lab

University of Washington, Tacoma, USA   Jan 2020 - June 2020
Teaching Assistant

- TCSS 305 Programming Practicum, Winter 2019 (35 students)

- TCSS 422 Operating Systems, Spring 2020 (68 students)

Grading and mentoring students.

Intel, Shanghai, China   Aug 2018 - Feb 2019
Asia-Pacific Research & Development Ltd
Software Developer Intern, UEFI-BIOS Development Group

- Contributed to the development of a UEFI Driver, which works cross-platform on Windows and Linux. The driver functions to filter, extract, and analyze network packets by leveraging an open source library called Pcap. I also helped implement and test new features of the driver.

- Wrote Shell/Python scripts to enable automatic driver installation, dependency collection, and product testing using internal tools.

PUBLICATIONS

FaaSRank: Learning to Schedule Functions in Serverless Platforms
Hanfei Yu, Athirai A. Irissappane, Hao Wang, Wes J. Lloyd
IEEE International Conference on Autonomic Computing and Self-Organizing Systems (ACSOS 2021)

FaaSRank: A Reinforcement Learning Scheduler for Serverless Function-as-a-Service Platforms
Hanfei Yu
Master Thesis, University of Washington

Enhancing Observability of Serverless Computing with the Serverless Application Analytics Framework

Robert Cordingly, Navid Heydari, **Hanfei Yu**, Varik Hoang, Zohreh Sadeghi, Wes Lloyd

Companion of the ACM/SPEC International Conference on Performance Engineering (ICPE 2021)

The Serverless Application Analytics Framework: Enabling Design Trade-off Evaluation for Serverless Software

Robert Cordingly, **Hanfei Yu**, Varik Hoang, Zohreh Sadeghi, David Foster, David Perez, Rashad Hatchett, Wes Lloyd

Proceedings of the Sixth International Workshop on Serverless Computing (WoSC 2021)

Leveraging GPT-2 for Classifying Spam Reviews with Limited Labeled Data via Adversarial Training

Athirai A. Irissappane, **Hanfei Yu**, Yankun Shen, Anubha Agrawal, Gray Stanton

arXiv preprint

Implications of Programming Language Selection for Serverless Data Processing Pipelines

Robert Cordingly, **Hanfei Yu**, Varik Hoang, David Perez, David Foster, Zohreh Sadeghi, Rashad Hatchett, Wes J Lloyd

IEEE International Conference on Cloud and Big Data Computing (CBDCom 2020)