

# HANFEI YU

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## EDUCATION

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<b>Louisiana State University, Baton Rouge, USA</b> Doctor of Philosophy in Computer Science	2021 - Present
<b>University of Washington, Tacoma, USA</b> Master in Computer Science and Systems <i>GPA: 3.96/4.0</i>	2019 - 2021
<b>Shanghai Jiao Tong University, Shanghai, China</b> Bachelor in Electronic Engineering	2015 - 2019

## WORK EXPERIENCE

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<b>Louisiana State University, Baton Rouge, USA</b> <i>Research Assistant</i> IntelliSys Lab	June 2021 - Present
<b>University of Washington, Tacoma, USA</b> <i>Research Assistant</i> Cloud and Distributed Systems (CDS) Research Lab	Sep 2020 - Jan 2021
<b>University of Washington, Tacoma, USA</b> <i>Teaching Assistant</i> <ul style="list-style-type: none"><li>• TCSS 305 Programming Practicum, Winter 2019</li><li>• TCSS 422 Operating Systems, Spring 2020</li></ul> Grading and mentoring students.	Jan 2020 - June 2020
<b>Intel, Shanghai, China</b> <i>Asia-Pacific Research &amp; Development Ltd</i> <i>Software Developer Intern, UEFI-BIOS Development Group</i> <ul style="list-style-type: none"><li>• 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.</li><li>• Wrote Shell/Python scripts to enable automatic driver installation, dependency collection, and product testing using internal tools.</li></ul>	Aug 2018 - Feb 2019

## PUBLICATIONS

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<b>Libra: Harvesting Idle Resources Safely and Timely in Serverless Clusters</b> <b>Hanfei Yu</b> , Christian Fontenot, Hao Wang, Jian Li, Xu Yuan, and Seung-Jong Park Proceedings of the International Symposium on High-Performance Parallel and Distributed Computing (HPDC 2023)
<b>Accelerating Serverless Computing by Harvesting Idle Resources</b> <b>Hanfei Yu</b> , Hao Wang, Jian Li, Xu Yuan, Seung-Jong Park Proceedings of the ACM Web Conference (WWW 2022)

**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 2020**)

**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 (**CBDDCom 2020**)