

# HANFEI YU

Email: hanfeiyu@uw.edu | Cell: (+1)253-393-0977  
Personal Web: hanfeiyu.github.io | Github: github.com/hanfeiyu

## EDUCATION

---

**University of Washington, Tacoma, USA** 2019 - Present  
Master in Computer Science and Systems  
School of Engineering and Technology  
*GPA: 3.96/4.0*

**Shanghai Jiao Tong University, Shanghai, China** 2015 - 2019  
Bachelor in Electronic Engineering  
School of Electronic Information and Electrical Engineering  
*Academic Progress Scholarship*

## RESEARCH EXPERIENCE

---

**University of Washington, Tacoma, USA** Jan 2020 - Present  
*AI Research Group*  
Natural Language Processing

- Semi-supervised text classification
- Generative Adversarial Network
- Reinforcement Learning

**University of Washington, Tacoma, USA** Oct 2019 - Present  
*Cloud and Distributed Systems (CDS) Research Lab*  
Cloud Computing, Distributed Computing, Networking

- Contention-aware scheduling for Function-as-a-Service via Reinforcement Learning
- Serverless frameworks and applications development, performance modeling

## WORK EXPERIENCE

---

**University of Washington, Tacoma, USA** Oct 2020 - Present  
*Graduate Research Assistant*  
Cloud and Distributed Systems (CDS) Research Lab

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

- TCSS 305 Programming Practicum, Winter 2019
- TCSS 422 Operating Systems, Spring 2020

Grading and mentoring students.

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

- As a software developer intern in Intel, I was involved in the UEFI-BIOS Development Group.

- I mainly contributed to the development of a UEFI Driver, which works cross-platform on WinNT and Linux. The driver is functioned as filtering, extracting and analyzing network packets by leveraging an open source library called Pcap. I also helped testify and implement several new features of the driver.
- Meanwhile I helped write Shell/Python scripts to enable automatic driver installation, dependency collection and product testing using internal testing tools.

## PUBLICATIONS

---

Cordingly, R., **Yu, H.**, Hoang, V., Perez, D., Foster, D., Sadeghi, Z., Hatchett, R., Lloyd, W., Implications of Programming Language Selection for Serverless Data Processing Pipelines, *2020 6th IEEE International Conference on Cloud and Big Data Computing (CBDCOM 2020)*, Aug 17-24, 2020.

Cordingly, R., **Yu, H.**, Hoang, V., Sadeghi, Z., Foster, D., Perez, D., Hatchett, R., Lloyd, W., The Serverless Application Analytics Framework: Enabling Design Trade-off Evaluation for Serverless Software, 2020 21st ACM/IFIP International Middleware Conference: 6th International Workshop on Serverless Computing (WoSC '20), Dec 7-11, 2020

## PROCEEDINGS

---

**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  
*Submitted to JAIR 2020*

**Improving Schedulers for Open Source Function-as-a-Service Frameworks**

*Master thesis, ongoing*

## TECHNICAL SKILLS

---

<b>Programming Languages</b>	Java, Scala, Python, Shell, HTML/CSS, PHP, SQL
<b>Frameworks</b>	TensorFlow, AWS, OpenWhisk, Bootstrap
<b>Software &amp; Tools</b>	Git, Docker, Ansible, Colab Jupyter Notebook, Eclipse, VIM

## STANDARDIZED TESTS

---

<b>GRE</b>	320, Verbal 151 + Quantitative 169
<b>TOEFL</b>	98, Reading 27 + Listening 25 + Speaking 23 + Writing 23
<b>JLPT</b>	N2, 107