

# Pui Yung Anna WOO

☎ +1 734-596-8229 | ✉ pywoo@umich.edu

## RESEARCH INTERESTS

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Applied Cryptography, Computer Security, Distributed Systems, Theoretical Computer Science

## EDUCATION

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### The Chinese University of Hong Kong

*Sep. 2017 – July. 2022*

B.S. in Mathematics and Information Engineering with First Class Honor (ELITE Stream Student)

Minor: Computer Science

### University of Michigan

*Aug. 2022 – Present*

Ph.D. in Computer Science and Engineering | Advisor: Paul Grubbs

## PUBLICATIONS

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### Goten: GPU-Outsourcing Trusted Execution of Neural Network Training.

Lucien K. L. Ng, Sherman S. M. Chow, **Anna P. Y. Woo**, Donald P. H. Wong, Yongjun Zhao.

In AAAI Conference on Artificial Intelligence (**AAAI**), 2021. (Acceptance rate: 21.3%)

### LDSP: Shopping with Cryptocurrency Privately and Quickly under Consortium Leadership.

Lucien K. L. Ng, Sherman S. M. Chow, Donald P. H. Wong, **Anna P. Y. Woo**.

In IEEE International Conference on Distributed Computing Systems (**ICDCS**), 2021. (Acceptance rate: 19.8%)

## SELECTED AWARDS AND HONORS

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### Best Project Award, UG Summer Research Internship, Faculty of Engineering of CUHK

*2018–19*

- The internship programme accepted outstanding engineering students to do research with a professor in summer
- My project is to realize privacy-preserving deep neural network training using Intel SGX
- Awards were given to the top 10% projects assessed by a committee

### Professor Charles K. Kao Research Exchange Scholarship, Faculty of Engineering of CUHK

*2019–20*

- Selection was conducted by the Faculty based on the candidates' academic performance and research potentials
- Maximum 7 awards in the Faculty of Engineering of CUHK in 2019–20
- Award up to HK\$50,000 to cover the travel expenses and living allowance for joining the research exchange programmes

## OTHER AWARDS AND HONORS

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Faculty of Engineering Admission Scholarships

*2017–18*

ELITE Stream Student Scholarship

*2017–18, 2018–19, 2021–22*

GOAL Programme Non-local Service Learning Scholarship

*2018–19*

Shum Choi Sang Scholarship

*2018–19*

Swire Scholarship (1 award in the Faculty of Engineering of CUHK each year; Covered the tuition for 1 year)

*2018–19*

Ko Ho Ning Scholarship

*2019–20*

Cheung Chuk Shan Scholarship (Covered the tuition for 1 year)

*2020–21*

UNIQLO Hong Kong Scholarship

*2020–21*

College Head's List

*2020–21, 2021–22*

## PROGRAMMING SKILLS

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### Programming languages:

- Python, C, C++, C#, Java, Solidity, MATLAB, Bash

### Tools/Frameworks/Libraries:

- Git, gRPC, Intel SGX, CUDA, Androguard, ApkTool, PinTools, Docker, Hadoop, PyTorch, NumPy, Eigen