

## PERSONAL DETAILS

---

*Address* Department of Computer Sciences  
University of Hong Kong  
*Mobile* (852) 91262850  
*E-Mail* yewenjia@connect.hku.hk

## EDUCATION

---

**Ph.D. Candidate Computer Science** 2020-Present  
*University of Hong Kong*  
Supervisors: Professor Bruno C. d. S. Oliveira  
Research area: Programming language, Type system, Functional Programming, Gradual Typing

## RESEARCH EXPERIENCES

---

**Research Assistant** University of Hong Kong  
*Supervisor: Dr. Bruno C. d. S. Oliveira*  
2019.12-2020.06  
**Research Internship** Tsinghua University NetMan Lab  
*Supervisor: Dr. Dan Pei*  
2019.05-2019.08  
**Research Internship** Institute of Automation, Chinese Academy of Sciences  
*Supervisor: Dr. Jiajun Zhang*  
2019.02-2019.05

## TEACHING

---

**Teaching Assistant** University of Hong Kong  
*COMP3258 Functional programming*  
2020-2021  
**Teaching Assistant** University of Hong Kong  
*COMP2121 Discrete mathematics*  
2020-2021  
**Teaching Assistant** University of Hong Kong  
*COMP2119 Introduction to data structures and algorithms*  
2021-2022

## PUBLICATIONS

---

- **Wenjia Ye**, Matías Toro, and Federico Olmedo. A gradual probabilistic lambda calculus. *Object-Oriented Programming, Systems, Languages and Applications 2023 (OOPSLA 2023)*
- **Wenjia Ye** and Bruno C. d. S. Oliveira. Pragmatic gradual polymorphism with references. *32nd European Symposium on Programming, 2023*
- **Wenjia Ye**, Bruno C. d. S. Oliveira, and Xuejing Huang. Type-directed operational semantics for gradual typing. In *ECOOP*, 2021

- Yong Xie, Xinqu Su, Yifan He, Xuhui Chen, Gengliang Cai, Baisheng Xu, and **Wenjia Ye**. Stm32-based vehicle data acquisition system for internet-of-vehicles. *2017 IEEE/ACIS 16th International Conference on Computer and Information Science (ICIS)*, pages 895–898, 2017

#### **Manuscripts under Review:**

- **Wenjia Ye** and Bruno C. d. S. Oliveira. Type-directed operational semantics for gradual typing. *Revision under Journal of Functional Programming*, 2022
- **Wenjia Ye**, Bruno C. d. S. Oliveira, and Matías Toro. Merging gradual typing. *Submitted to OOPSLA2024*.
- **Wenjia Ye**, Matías Toro, Claudio Gutierrez, Bruno C. d. S. Oliveira, and Éric Tanter. Analysis and formalization of typing in sql engines. *Draft*, 2024

## **ACADEMIC SERVICES**

---

- AEC Member.ESOP2024
- Student Volunteer.ESOP2023
- AEC Member.ECOOP2022
- (Sub)reviewer.ECOOP2022

## **HONORS & AWARDS**

---

#### **ACM:**

- CCPC/ICPC University Programming Design Competition at Hangzhou (Bronze prize in Nov. 2016)
- CCPC/ICPC University Programming Design Competition at Qinhuangdao (Excellent prize in Jun. 2017)
- CCPC/ICPC Fujian Province University Programming Design Competition (three Silver Prizes in 2016, 2017, 2018)
- National software and IT competition for the professional–individual (the third prize in Apr. 2017)

#### **Language:**

- National English Contest for College Students (The second prize in 2017 and 2018)

#### **Software Development:**

- 2017 National software and IT competition for the professional-entrepreneurial team competition (The second prize in the subway transportation project; excellent prize in Power app project)
- 2016 the third China’s next-generation internet technological innovation competition (the third prize)
- 2016 the first China’s Innovation and entrepreneurship achievements fair (the best creative award)
- 2017 the second China’s intelligent interconnection innovation competition—Southern China division (winning prize)

#### **Internet security:**

- 2017 Fujian Province Cyberspace security competition (the third prize in 2016 and 2017)

#### **Scholarship & Honors:**

- National Scholarship (2018)
- National Encouragement Scholarship (Academic year of 2015-2016 and 2016-2017)
- ABB Scholarship (Academic year of 2016-2017)
- Wang Shujing & Wang Wendou Scholarship (2016 and 2017)
- **National Excellent Representative of National Scholarship Awarders (0.2%) (2019)**
- Excellent Undergraduate Student (2019)