

### PERSONAL DETAILS

---

*Address* School of Computing  
National University of Singapore  
*Mobile* (852) 91262850  
*E-Mail* yewenjia@outlook.com

### EDUCATION

---

**Research Fellow Computer Science** 2024-present  
*National University of Singapore*  
I am working with Professor Manuel Rigger

**Ph.D. Computer Science** 2020-2024  
*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

**Teaching Assistant** University of Hong Kong  
*COMP2119 Introduction to data structures and algorithms*  
2022-2023

## PUBLICATIONS

---

- Daan Leijen and **Wenjia Ye**. Principal type inference under a prefix. In *Microsoft: MSR-TR-2024-34*
- **Wenjia Ye**, Yaozhu Sun, and Bruno C. d. S. Oliveira. Imperative compositional programming. *Object-Oriented Programming, Systems, Languages and Applications (OOPSLA 2024)*.
- **Wenjia Ye**, Matías Toro, Claudio Gutierrez, Bruno C. d. S. Oliveira, and Éric Tanter. Elucidating type conversions in sql engines. *34th International Joint Conferences On Theory and Practice of Software (European Symposium on Programming) (ESOP2025)*
- **Wenjia Ye**, Bruno C. d. S. Oliveira, and Matías Toro. Merging gradual typing. *Object-Oriented Programming, Systems, Languages and Applications (OOPSLA 2024)*.
- **Wenjia Ye** and Bruno C. d. S. Oliveira. Type-directed operational semantics for gradual typing. In *Journal of Functional Programming(JFP2024)*
- **Wenjia Ye**, Matías Toro, and Federico Olmedo. A gradual probabilistic lambda calculus. *Object-Oriented Programming, Systems, Languages and Applications(OOPSLA 2023)*
- **Wenjia Ye** and Bruno C. d. S. Oliveira. Pragmatic gradual polymorphism with references. *32nd International Joint Conferences On Theory and Practice of Software (European Symposium on Programming) (ETAPS2023)*
- **Wenjia Ye**, Bruno C. d. S. Oliveira, and Xuejing Huang. Type-directed operational semantics for gradual typing. In *In European Conference on Object-Oriented Programming (ECOOP2021)*
- Yong Xie, Xinpu 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

## ACADEMIC SERVICES

---

- Reviewer/(Sub)reviewer.ECOOP2022, ECOOP2025
- AEC Member.ESOP2024,ECOOP2022
- Student Volunteer.ESOP2023, OPLSS2023
- Funded Attendee: OPLSS2023, OOPSLA2023

## 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)
- Volunteer Translator @2017 BRICS Summit : Excellent Volunteer

## SKILLS

---

*Qualification  
Certificates*

IBM Software Engineer; Software Testing Engineer; C Language-Intermediate