You, Shu-Hung

INSTITUTION: Northwestern University
DEPARTMENT: Computer Science
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EDUCATION

SEP. 2016–current	*Northwestern University*, Evanston, IL, USA Ph.D. candidate in Computer Science
OCT. 2011–JUL. 2015	*National Taiwan University*, Taipei, Taiwan B.S. in Computer Science and Information Engineering | Minor in Mathematics

PUBLICATIONS

1. **Shu-Hung You**, Robert Bruce Findler and Christos Dimoulas. Sound and Complete Concolic Testing for Higher-order Functions. In *Programming Languages and Systems (ESOP '21)*, pp. 635–663. `https://doi.org/10.1007/978-3-030-72019-3_23`

2. Spencer P. Florence, **Shu-Hung You**, Jesse A. Tov, and Robert Bruce Findler. A Calculus for Esterel: If Can, Can. If No Can, No Can. In *Proceedings of the ACM on Programming Languages 3, no. POPL (2019)*: 1–29. `https://doi.org/10.1145/3290374`

3. Vincent St-Amour, Daniel Feltey, Spencer P. Florence, **Shu-Hung You**, and Robert Bruce Findler. 2017. Herbarium Racketensis: a stroll through the woods (functional pearl). In *Proceedings of the ACM on Programming Languages 1, no. ICFP (2017)*: 1–15. `https://doi.org/10.1145/3110245`

4. Bruno C. d. S. Oliveira, Shin-Cheng Mu and **Shu-Hung You**. Modular Refiable Matching: a list-of-functor approach to two-level types. In *Proceedings of the 2015 ACM SIGPLAN Symposium on Haskell (Haskell '15)*, pp. 82–93. `https://doi.org/10.1145/2887747.2804315`

ACADEMIC ACTIVITY

- Member of the **Artifact Evaluation Committee** at ICFP '20.

- **Student Volunteer** at SPLASH '21, POPL '19 and ICFP '18.

TEACHING

	Teaching Assistant for COMP_SCI 111: Fundamentals of Computer Programming I I implemented and ran the automatic grading script of the class. The grading script performs automated testing and generates HTML grading reports.
SUMMER 2020	**Instructor** at Formosan Summer School on Logic, Language, and Computation (FLOLAC'20). The topics of FLOLAC include logic, functional programming, λ-calculus and formal semantics.
WINTER 2019 FALL 2018	**Teaching Assistant** for EECS 213: Introduction to Computer Systems I built the infrastructure that integrates executable code into the homework to validate the answers. The homework covers number representation, x86_64 assembly, virtual memory and cache hierarchy.
SUMMER 2018 SUMMER 2016 SUMMER 2014	**Teaching Assistant** at Formosan Summer School on Logic, Language, and Computation. The TAs reviewed the course materials and led the students through the exercises.
SPRING 2014	**Teaching Assistant** of Data Structures and Algorithms | Instructor: **Hsuan-Tien Lin** I designed an assignment about implementing a functional language on a stack machine. Students are asked to implement the infix-to-postfix transformation algorithm.
SPRING 2014 SPRING 2013	**The Sprout Project** *Sprout* is run by a team of NTU students that aims at introducing both basic programming skills and advanced algorithm knowledge to high school students.