

Shiwei Weng

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EDUCATION	Ph.D. Student in Computer Science Johns Hopkins University	Baltimore, MD, USA Aug 2018 – Present
	M.S.E in Computer Science Johns Hopkins University <ul style="list-style-type: none">Cumulative GPA: 3.55 / 4.00	Baltimore, MD, USA Aug 2016 – Dec 2017
	B.Eng. in Software Engineering Fudan University <ul style="list-style-type: none">Cumulative GPA: 3.48 / 4.00	Shanghai, China Sep 2008 – Jul 2013
	B.S. in Computer Science University College Dublin <ul style="list-style-type: none">Double Degree of Fudan-UCD program.	Dublin, Ireland Sep 2009 – Sep 2013
CAREER OBJECTIVE	To make programming tools easy to use and hard to make mistakes	
PROFESSIONAL EXPERIENCE	Research Assistant The Programming Languages Laboratory Johns Hopkins University <ul style="list-style-type: none">Topics: Static Analysis, Symbolic Execution, Functional LanguagesAdvised by Prof Scott Smith	Jun 2017 – Present
	Head Teaching Assistant Principles of Programming Languages, Spring 18/Spring 19 <ul style="list-style-type: none">Coordinate course assistantsMaintain and refactor the OCaml codebase and grading systemAssist with assignments, exams, piazza and office hourshttps://pl.cs.jhu.edu/pl	
	Higher-Order Demand-Driven Symbolic Execution <ul style="list-style-type: none">A symbolic backwards execution with soundness proof and a test generation algorithmWorked on the Z3 binding in the reference implementationDesigned and conducted the artifact evaluation	
ONGOING PROJECTS	Program Analysis on the Usage of JavaScript GUI Frameworks <ul style="list-style-type: none">Lead the project on checking the usage of ReactJS API in client codePh.D. Qualifying Project, advised by Prof Scott Smith	
	A Survey of Programming Language Package Managers <ul style="list-style-type: none">Wrote a survey report on concepts and practice of program languages package managersMaster Independent Study, advised by Prof Scott Smith	Sep 2016 – Apr 2017
FINISHED PROJECTS		
WORK EXPERIENCE	System Administrator The Programming Languages Laboratory <ul style="list-style-type: none">Maintain lab servers for web, repositories, and other services	Feb 2019 – Present
	Startup Interns & Freelance <ul style="list-style-type: none">Front-end and full-stack web programming for Miaogu Network, Inc. (May 2015 – Sep 2015), Ohana Global, Inc. (Sep 2014 – Nov 2014), Keniu Information Technology, Inc. (Mar 2014 – Aug 2014)	Jul 2013 – Sep 2015
SKILLS	Familiar with OCaml Experience in JavaScript, Python, Java, C, C++, Vim, Linux operations	
HONORS & AWARDS	National Scholarship, Ministry of Education of the People's Republic of China	Nov 2010
	Outstanding Student Award, Fudan University	Dec 2010
	1st Prize, The 13th National Olympiad in Informatics in Provinces(NOIP) China Computer Federation	Dec 2007