

Anton Xue

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Contact

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Interests	Programming languages, formal methods, automata theory, cyber-physical systems mathematical analysis, linear algebra, combinatorics	
Experience	<i>Research Assistant</i> Yale University Department of Computer Science	Sept 2015 – Present
	<i>Research Intern</i> Harvard University School of Engineering and Applied Sciences	May 2018 – Aug 2018
	<i>Research Intern</i> Max Planck Institute for Software Systems	May 2017 – Aug 2017
Education	<i>B.S. Mathematics and Computer Science</i> Yale University	Aug 2015 – May 2019
Presentations	<i>Towards the Formalization and Analysis of R</i> Formal Methods in Computer-Aided Design 2018 Student Forum	Nov 2018
	<i>Building a Symbolic Execution Engine for Haskell</i> Formal Methods in Computer-Aided Design 2017 Student Forum	Nov 2016
	<i>Building a Symbolic Execution Engine for Haskell</i> Tools for Automatic Program Analysis 2017	Aug 2017
	<i>A Symbolic Execution Framework for Haskell</i> Principles of Programming Languages 2017 Student Research Competition	Jan 2017
Teaching	<i>Yale Undergraduate Teaching Assistant</i> CPSC 202 Mathematical Tools for Computer Science	Fall 2016, Fall 2017, Fall 2018
	CPSC 366 Intensive Algorithms	Spring 2018
	CPSC 365 Design and Analysis of Algorithms	Spring 2017
Community	<i>Department Student Advisory Committee</i> Yale University Computer Science Department	Fall 2017 – Spring 2018
Software	<i>G2 Symbolic Execution Engine for Haskell</i> https://github.com/BillHallahan/G2	
	<i>Simple-R Symbolic Execution Engine for R</i> https://github.com/AntonXue/simple-r	
	<i>Multi-Terminal Interval Decision Diagrams</i> https://github.com/dzufferey/mtidd	
Technical	<i>Programming Languages</i> Haskell, C, C++, Python, Java, R, Scala, SMTLIB, \LaTeX	