

Anton Xue

Address

17 Broadway 2L
New Haven, CT 06511

Contact

antonxue.github.io
anton.xue@yale.edu

Interests Programming languages, formal methods, automata theory,
mathematical analysis, linear algebra, combinatorics

Experience *Research Assistant* Sept 2015 – Present
Yale University Computer Science Department

Research Intern May 2018 – Aug 2018
Harvard University School of Engineering and Applied Sciences

Research Intern May 2017 – Aug 2017
Max Planck Institute for Software Systems

Education *B.S. Mathematics and Computer Science* Aug 2015 – May 2019
Yale University

Presentations *Towards the Formalization and Analysis of R* Nov 2018
Formal Methods in Computer-Aided Design 2018 Student Forum

Building a Symbolic Execution Engine for Haskell Nov 2016
Formal Methods in Computer-Aided Design 2017 Student Forum

Building a Symbolic Execution Engine for Haskell Aug 2017
Tools for Automatic Program Analysis 2017

A Symbolic Execution Framework for Haskell Jan 2017
Principles of Programming Languages 2017 Student Research Competition

Teaching *Yale Undergraduate Teaching Assistant*
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 *Department Student Advisory Committee* Fall 2017 – Spring 2018
Yale University Computer Science Department

Software *G2 Symbolic Execution Engine for Haskell*
<https://github.com/BillHallahan/G2>

Simple-R Symbolic Execution Engine for R
<https://github.com/AntonXue/simple-r>

Multi-Terminal Interval Decision Diagrams
<https://github.com/dzufferey/mtidd>

Technical *Programming Languages*
Haskell, C, C++, Python, Java, R, Scala, SMTLIB, \LaTeX