09/07	QuickCheck	https://www.cs.tufts.edu/~nr/cs257/archive/john-hughes/quick.pdf	Leo	
	Testing an Optimizing Compiler by Generating Random Lambda Terms	https://dl.acm.org/doi/abs/10.1145/1982595.1982615	Leo	
09/09	FuzzFactory: Domain Specific Fuzzing with Waypoints	https://rohan.padhye.org/files/fuzzfactory-oopsla19.pdf	Leo	
	Sign up below!			
Tuesday 7th:	Alp, Justin, Aaron, Mingwei, PIERCE			
Thursday 9th:	Jacob & Henry, Ben, Deena, Segev, Angeline			
Can do both:				
Final Projects	Alp, Justin, Benjamin, Deena, Jacob and Henry, Segev, Angeline, Mingwei, Aaron			
	Papers to sign up for (roughly in proposed chronological order, but subject to change)		Presenter	Short Description
			Segev	Lazy Generation for preconditions in Haskell
09/16	Making Random Judgements: Automatically Generating Well-Typed Terms from the Definition of a Type System	http://users.eecs.northwestern.edu/~baf111/random-judgments/	Jacob	Generation + Constraint Solving for well-typed terms in Racket
09/21	Generating Good Generators for Inductive Relations	https://lemonidas.github.io/pdf/GeneratingGoodGenerators.pdf	Henry	Compiling preconditions to generators in Coq
09/23	Coverage Guided Greybox Fuzzing as a Markov Chain	https://mboehme.github.io/paper/CCS16.pdf		Fuzzing Basics
09/23	Quickly Generating Diverse Valid Test Inputs with Reinforcement Learning	https://rohan.padhye.org/files/rlcheck-icse20.pdf		RL for generation
09/28	Making Random Judgements: Automatically Generating Well-Typed Terms from the Definition of a Type System	http://users.eecs.northwestern.edu/~baf111/random-judgments/	Jacob	
09/30	Coverage Guided Property Based Testing	https://lemonidas.github.io/pdf/FuzzChick.pdf	Benjamin	Combining Fuzzing and Property Based Testing in Coq
10/05	Targeted Property-Based Testing	http://proper.softlab.ntua.gr/papers/issta2017.pdf	Mingwei	Maximizing User-specified metrics (Erlang)
	Automatic Targeted Property-Based Testing	https://proper-testing.github.io/papers/icst2018.pdf		
10/07	Semantic Fuzzing with Zest	https://rohan.padhye.org/files/zest-issta19.pdf	Alperen	Combining Fuzzing with Property-Based Testing
10/12		https://www.flux.utah.edu/paper/darragh-scheme20	Justin	Random primitives for more interesting mutations in Racket
(optional)	Clotho: A racket library for Parametric Randomness	https://publications.lib.chalmers.se/records/fulltext/183348/local_183348.pd	t	Splittable Pseudorandomness
10/14	Smart Greybox Fuzzing	https://arxiv.org/pdf/1811.09447.pdf	Angeline	File Structure Preconditions
10/19	Parser-Directed Fuzzing	https://rahul.gopinath.org/resources/pldi2019/mathis2019parser.pdf	Deena	Being smarter about getting through the parser
10/21	Guest lecture: Mike!			
10/26	FairFuzz: A Targeted Mutation Strategy for Increasing Greybox Fuzz Testing Coverage	https://www.carolemieux.com/fairfuzz-ase18.pdf	Pierce	Fair Mutations for Fuzzing
10/28	Finding and Understanding Bugs in C Compilers	https://www.cs.utah.edu/~regehr/papers/pldi11-preprint.pdf	Aaron	Seminal CSmith work on C generation
	Do Judge a Test by its Cover	https://lemonidas.github.io/pdf/Combinatorial.pdf	Leo	Combinatorial Property-Based Testing (new form of Feedback)