Anthony Canino

Curriculum Vitae

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RESEARCH INTERESTS	programming languages and compilers; software engineering; energy-aware programming languages and systems software; stochastic language semantics; type system design;	
CURRENT POSITION	**Postdoctoral Researcher** University of Pennsylvania Supervised by Mayur Naik	July 2019 - Present
EDUCATION	SUNY Binghamton, Binghamton NY PhD in Computer Science, *May 2019*, Thesis: Language Support for Adaptive Energy-Aware Applications Advisor: Yu David Liu SUNY Binghamton, Binghamton NY MS in Computer Science, *May 2013* BS in Computer Science, *May 2011*	
PROFESSIONAL EXPERIENCE	**University of Pennsylvania** *Postdoctoral Researcher*	July 2019 - Current
	SUNY Binghamton *Research Assistant* with Yu David Liu *Research Assistant* with Mike Lewis	Aug. 2014 - May 2019 May 2009 - May 2010
	RPA Electronics *Consultant* *Software Engineer* *Software Engineer Intern*	May 2014 - Dec. 2014 May 2013 - May 2014 Jan. 2012 - May 2013
	University of Tennessee *Research Assistant*	Aug. 2011 - Dec. 2011
	Diamond Visionics, Inc *Software Engineer Intern*	Sep. 2010 - May 2011
	University of Notre Dame *Research Assistant* with Douglas Thain	Jun. 2010 - Aug. 2010
	IBM Endicott *Software Engineer Intern*	Jan. 2008 - May 2009
AWARDS	OOPSLA Artifact Evaluation Committee Distinguished Reviewer Binghamton University Excellence in Computer Science Research	2019 2019

CONFERENCE PUBLICATIONS	**Stochastic Energy Optimization for Mobile GPS Applications** Anthony Canino, Yu David Liu, and Hidehiko Masuhara *ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering*	ESEC/FSE 2018
	Understanding and Overcoming Parallelism Bottlenecks in ForkJoin Applications Gustavo Pinto, Anthony Canino, Fernando Castor, Guoqing Xu, and Yu David Liu *IEEE/ACM International Conference on Automated Software Engineering*	ASE 2018
	Proactive and Adaptive Energy-aware Programming with Mixed Typechecking Anthony Canino and Yu David Liu *ACM SIGPLAN Conference on Programming Language Design and Implementation*	PLDI 2017
	Converting a High Performance Application to an Elastic Cloud Application Dinesh Rajan, Anthony Canino, Jesus A Izaguirre, and Douglas Thain *IEEE International Conference on Cloud Computing Technology and Science*	CLOUDCOM 2011

TEACHING EXPERIENCE	Instructor, *Programming Models and Emerging Platforms* • Topics Include: GPU, UAV, and Android Programming	Spring 2019
	Co-Instructor, *Programming Languages* • Personal Contributions: First-Order Logic, Mechanized Proofs with Coq	Spring 2016
	Teaching Assistant, *Programming Languages*	Fall 2014 - Fall 2016

ADVISING	Graduated Students, Co-Advised

- Rachit Saxena, M.S., Spring 2019
- Sam Bravo, B.S., Spring 2019
- Timur Babakol, M.S., Fall 2017
- Kaiyik Nip, B.S., REU, Fall 2016
- Semaan Doug Wehbe, B.S., REU, Fall 2016