Christophe Gyurgyik

PHD STUDENT · COMPUTER SCIENCE

Stanford University

Education				
Stanford University		Stanford, CA		
PhD Student		2023 - present		
 Advisor: Professor Fredrik Kjø 	stad			
Cornell University		Ithaca, NY		
Bachelor's Degree		2018 - 2021		
Minor in Science & TechnologResearch advisor(s): Professo	/ Studies Adrian Sampson and Professor Rachit	Nigam		
Professional Experience	ee			
2021-2023 Compiler Engine	er . Google			
	er Internship, Google			
2019 Engineer Practic	um Internship, Google			
2013-2017 Sergeant, Marks	manship Instructor, United States Mar	ine Corps		
Publications				
Conferences				
Compilation of Shape Operators gyik, Aart J.C. Bik, Fredrik		der J Root, Bobby Yan, Peiming Liu, Christophe Gyur -		
Stepwise Debugging for Hardwood Sampson	ure Accelerators, ASPLOS '23. Griffin B	Berlstein, Rachit Nigam, Christophe Gyurgyik , Adrian		
Workshops & Short Papi	RS			
	rogramming Abstraction for Streaming , Suguna Velury, Paul Mure, Nathan Zl	Dataflow Accelerators, YArch '24. Gina Sohn, Christophe hang, Kunle Olukotun		
A Toolkit for Designing Hardwa	e DSLs, WOSET '21. Griffin Berlstein, R	achit Nigam, Christophe Gyurgyik , Adrian Sampson		
Awards, Fellowships, 8	، Grants			
	ct Awards (CTIA) - LLM serving optim	·		
	Spot Bonus (VP of Engineering) - LLM compiler optimizations, Google			
2022-2023 Peer Bonus $\times 4$,	•			
	bster Graduate Fellowship, MIT			
2020 Big Red Vets Lar	d Grant , Cornell University Veterans A	ssociation		
Presentations				
* presenting author; * mentored	underaraduate			
p. 230g additor, memore				

INVITED TALKS

Fall 2024. Portal. Machine learning compiler techniques and tribulations.

Summer 2024. *Cornell University CAPRA group*. Exploration of e-graph optimization for finite state machine generation. Spring 2021. *Applications Driving Architectures (ADA)*. The Calyx language and its new frontends.

Teaching	Experience	
Winter 2025	CS343D: Domain-Specific Programming Models and Compilers, Teaching Assistant	Stanford University Cornell
Spring 2019	CS2110: Data Structures & Object Oriented Programming, Teaching Assistant	
2015-2017	Marksmanship, Instructor	University Pu'uola Range, HI
Mentorin	g	
2024- Present	Arnold Tianyi Yang, Undergraduate, Stanford University	Stanford, CA
Outreach	& Professional Development	
SERVICE AN	d Outreach	
2018- Present	Cornell University Veterans Association, Member	Ithaca, NY
2019	Student Veterans of America, Volunteer	D
2017	Rubicon, Disaster Relief	Beaumont, TX
2017 2017	Girl Scouts of the USA, Volunteer AccesSurf, Lifeguard	Kilohanato, HI Oahu, HI
2011-2013	Student Groups on Race Relations, Member	Cleveland, OH

OPEN SOURCE

Circuit Intermediate Representations (IR) Compilers and Tools (CIRCT), contributor and maintainer of the Calyx dialect.