Education	<ul> <li>Princeton University, NJ, United States</li> <li>M.A. Computer Science (exited PhD program), 2019 - 2021</li> <li>Wesleyan University, CT, United States</li> <li>B.A. Computer Science, 2015 - 2019, Phi Beta Kappa</li> </ul>		
Employment	<b>Google</b> Software Engineer Will work on core infrastructure.	June 2021 - Present	
	Part-Time Student Researcher August 2020 - January 2021 (Core) Supported various aspects of distributed runtime of the new TensorFlow includ- ing API design and implementation of variable-length AllGather collective, an imple- mentation and benchmarking of send and receive kernels, and distributed runtime performance indicator.		
	Software Engineering Intern (Ph.D.) (Google Brain) Worked on design and implementation of collect allreduce, broadcast, allpermute) for distributed TFRT and Tenso	May - August 2020 tive operations (e.g. orFlow2.	
	Software Engineering Intern (Ph.D.) July - September 2019 (Dart language infrastructure team) Launched a Chrome extension enabling remote de- bugging for Dart applications. Improved Dart debug workflow for Google Ads, Google Assistant, and Flutter engineers both inside and outside of Google. All contributions are public on the Dart GitHub repository.		
	Software Engineering Intern (Google Ads product team) Launched the full stack of quick resp ternal Gmail using Dart, Angular, and Java.	June - August 2018 ponse feature for in-	
PUBLICATIONS	MultiFlow: Cross-Connection Decoy Routing using TLS 1.3 Session Resumption Victoria Manfredi, Pi Songkuntham In Proc. of 8th USENIX Workshop on Free and Open Communications on the Internet (FOCI), 2018, 8 pages		
Academic Experience	<ul> <li>Department of Computer Science, Princeton University Teaching Assistant</li> <li>Taught precepts (small lectures &amp; group discussions), advised undergrade office hours, and graded for the following courses.</li> <li>Introduction to Programming Systems, Christopher Moretti (Fall</li> <li>Advanced Programming Techniques, Robert Dondero (Spring 20)</li> </ul>	September 2020 - May 2021 uates on projects, held l 2020) 21)	
	<b>Department of Computer Science, Wesleyan University</b> Research Assistant Designed protocols for Internet anti-censorship that can authenticate acr nections. Tested design feasibility in TLS 1.3 in UNIX/Linux environment	May 2017 - June 2018 ross multiple user con- ment using OpenSSL.	
	Research Assistant Studied lambda calculus and cost analysis of program source code.	May 2016 - July 2016	
	<ul> <li>Course Assistant</li> <li>Graded homework, held weekly office hours and lab involving debugging others' code, explaining complex concepts in the following courses.</li> <li>Functional Programming, Daniel Licata (Spring 2017)</li> <li>Algorithms and Complexity, Daniel Licata (Fall 2018)</li> <li>Information Security, Sebastian Zimmeck (Fall 2018)</li> <li>Programming Language Implementation, Norman Danner (Spring 2019)</li> </ul>		

Awards	Michael Rice PrizeAward for excellence in computer science to a senior2019		
	Freeman ScholarshipMerit-based full-tuition scholarship to attend Wesleyan2015-201	9	
Projects	What Make COVID-19 Worse In Some Countries but Not Others Applied supervised and unsupervised ML methods on COVID-19 data to better understand the pandemic.		
	Egalitarian Paxos in Pure Rust Implemented Egalitarian Paxos in Rust, evaluated on AWS EC2. See Implementation and evaluation.		
	<b>Distributed Hash Table</b> A Python implementation of distributed key-value datastore using a distributed hash table with a simplified version of Paxos used as the consensus algorithm.		
	<b>Reliable Data Transfer</b> Java implementations of application-level Stop-and-Wait, Go-Back-N, Selective Repeat over UDP.		
	<b>Cardinal Course</b> [on GitHub] Course review site for students to post ratings and share course reviews.		
	Word Challenge [on GitHub] Anagram game and anagram solver in pure JavaScript.		
	Wasiddhi Run [on GitHub] Endless running game using Phaser JavaScript library.		
ACTIVITIES	<b>Google GHC Scholar 2020</b> Scholarship awarded by Google to attend the celebration of women in computing.		
	<b>Oregon Programming Languages Summer School 2019</b> Received a grant from OPLSS sponsors to attend a conference on programming languages at the University of Oregon.		
	Cornell, Maryland, Max Planck Pre-doctoral Research School Scholar 2018 Scholarship awarded by Max Planck Society to attend the summer school at MPI-SWS. Learned about emerging trends in computer science research, interacted with leading sci- entists and research students.		
	<b>Oracle Scholar 2018</b> Scholarship awarded by Oracle Academy to attend OurCS, research-focused workshop in com- puter science at Indiana University. Worked on mobile device location estimation based on RSSI of Bluetooth beacons.		
	Grace Hopper Celebration Scholar 2018 Scholarship awarded by AnitaB.org to attend the celebration of women in computing.		
	Visiting Student at the University of Edinburgh 2017-2018 Took courses at the School of Informatics.		
	Wesleyan Women in Science Steering Committee Led and participated in events that seek to promote access to resources, build supportive community for women in STEM.		