Jess Woods

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EDUCATION	Ph.D. Student in Computer a University of Pennsylvania	and Information Science	Aug 2020 – Present GPA: 4.0			
	B.S. in Computer Science & University of North Carolina	B.A. in Studio Art , Highest Distinction at Chapel Hill	Aug 2015 – May 2019 GPA: 3.9			
RESEARCH	Graduate Research Assistant, Distributed Systems Laboratory		Aug 2020 – Present			
	Advisor Prof	hmetization of optimization algorithms for zero f. Sebastian Angel otography, security, programming languages	o-knowledge proofs			
	Post Baccalaureate Research Intern Oak Ridge National Laboratory, TN					
	 Computer Science Research Group Project Programming models for fully homomorphic encryption on a supercomputer Advisor Dr. Oscar Hernandez 					
	Focus cryptography, parallel programming, programming languages & models					
	Advisor Dr. Ada Se	source protein folding	Jun 2019 – Aug 2019			
		dynamics codes, mgn penormance computing	5			
	TALKS					
	"Performance and portability of abstract algebra operations in C++, Python, and Julia," <i>P3HPC</i> , Sep 2020. "Parallelization of Fully Homomorphic Data Encoding," Oak Ridge National Laboratory Ignite Talks, Dec 2019					
	WORKSHOP					
	J. Woods, M. Baker, M. Thavappiragasam, A. Sedova, O. Hernandez, V. Sarkar, "Using Python Improved Productivity in HPC and Data Science Applications: the Time is Now," in Collegevi Workshop, Apr 2020.					
SKILLS	Programming Languages	C, C++, Java, Python, Coq, Haskell, Julia, Verilog, Assembly/MIPS FORTRAN, JavaScript, HTML, CSS, TypeScript				
	Software Tools & Systems	Git, Bash, ﷺ, Linux, OpenMP, MPI, CUDA	4			
		Mathematics, UNC Chapel Hill ctures on Intro to Proofs, Induction, and Set Theory	Aug 2018 – May 2019			
	Solo Instructor, K-12 Math, Reading Writing Arithmetic Center, NC		Apr 2018 – Aug 2018			
MISC WORK	Visual artist: oil painting, screenprinting, murals, photography, zine-making Hundreds of prints/paintings sold, exhibited nationally, permanent collections in NYC, Durham NC					
	Barber, Pop-Up Barbershop,	2016 – 2019				
	Beekeeper, Carolina Beekeep	2016 – 2018 2015 – 2016				
	Drumline Instructor , Polk County High School, NC 2015 – 2010 House painter , Elite Shutters and Blinds, NC 2011					
	Construction, carpenter, landscaper, (picture) framer, Booth Framing Arts, NC 2014 – 2015					
AWARDS	Best Ignite Speaker, Oak Ridge National Lab 2019					
	Best Student Abstract, Oak I	2019				
	James M. Johnston Scholar		2015 2010			

2015 - 2019

2017 - 2018

James M. Johnston Scholar, UNC Chapel Hill

Jonathon E. Sharpe Award, Kachergis Award, UNC Chapel Hill

Full-tuition academic merit scholarship