curriculum vitæ of Siyuan Qian Published Name: Siyuan Brant Qian

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	Education		
Sept. 2020 – June 2024	B.S. in Computer Engineer	ring University of Illinois Urbana-Champaign (I	UIUC)
Sept. 2020 – June 2024	B.Eng. in Computer Engine	neering Zhejiang University (ZJU)	
	PUBLICATIONS		
	Conference and Journal Publications		
	 Synthesizing Precise Static Analyzers for Automatic Differentiation. Jacob Laurel, Siyuan Brant Qian, Gagandeep Singh, Sasa Misailovic. In 38th ACM SIGPLAN Conference on Object-Oriented Programming, Systems, Languages and Applications (OOPSLA 2023), Cascais, Portugal, October 2023. 		
	Workshop Publications		
	 Abstract Interpretation for Automatic Differentiation. Jacob Laurel, Siyuan Brant Qian, Gagandeep Singh, Sasa Misailovic. In 10th Workshop on Languages for Inference at POPL 2024 (LAFI 2024), London, UK, January 2024. 		
	Research Experienc	CE	
Spring 2023 – Fall 2023	Undergraduate Research AssistantUIUC ARC GROUP & FOCAL LABAdvised by Prof. Sasa Misailovic and Prof. Gagandeep Singh.		
	• Worked with Jacob Laurel, Prof. Gagandeep Singh, and Prof. Sasa Misailovic on Static Analysis of Differentiable Programs.		
	• Helped develop PASADO, a technique for synthesizing precise static analyzers for Automatic Differentiation. Helped with PASADO implementation, evaluated PASADO on multiple benchmarks to show its precision, generality, and scalability. Coauthored on 1 and 2.		
	Honors & Awards		
Fall 2022	Dean's List		UIUC
Fall 2020 – Spring 2023			ZJU
Fall 2020 – Spring 2022	Dean's List $ imes 2$		ZJU
	Teaching Experience		
Fall 2023 Spring 2023 Spring 2023	Teaching Assistant for UIUC ECE 220 (Computer Systems & Programming, ZJUI Section)ZJUCourse Assistant for UIUC ECE 391 (Computer Systems Engineering)UIUCGrader for UIUC ECE 210 (Analog Signal Processing)UIUC		
	Skills		
	Programming Languages: Packages & Tools:	(CUDA) C++, C, Rust, Python, OCaml, SQL, x86 assembly RISC-V assembly, MATLAB, Java, Javascript, CSS, HTML, R Docker, Git, SVN, MySQL, MongoDB, Neo4j, PyTorch, Pandas	
		Numpy, scikit-learn	