

Filipe de Carvalho Nascimento

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Education	PhD's degree in Computer Science	2017 - Present
	Institute of Mathematics and Computer Science (ICMC) University of São Paulo (USP), São Carlos, São Paulo, Brazil	
	Master's degree in Computer Science	2013 - 2016
	Institute of Mathematics and Computer Science (ICMC) University of São Paulo (USP), São Carlos, São Paulo, Brazil	
	Bachelor of Computer Science	2008 - 2012
	Institute of Mathematics and Computer Science (ICMC) University of São Paulo (USP), São Carlos, São Paulo, Brazil	
Languages	Portuguese, English, French (Débutant), Japanese (Beginner)	
Programming Languages	C/C++(preferred)/Python <i>and some experience with:</i> Rust/R	
Skills & Interests	OpenGL/CUDA <i>and more recently:</i> Vulkan/Optix/OpenVDB	
Professional Experience	Software Engineering Intern at Google Inc. (YouTube) Jan 2016 - Mar 2016 Worked on 360° video support for YouTube app on Sony's PlayStation 4 VR.	
Research Experience	Multimaterial Fluid Simulation for Computer Graphics Sep 2014 - Feb 2015 Visiting Scholar at University of Waterloo (UW), Waterloo, Ontario, Canada Supervisor: Christopher Batty Approximating implicit curves on plane and surface triangulations with affine arithmetic (AA) 2013 - 2014 Paper published at Computers & Graphics Journal (CAG), Volume 40, Pages 36–48. Approximating implicit curves on triangulations with AA 2012 Paper published at XXV SIBGRAPI Conference on Graphics, Patterns and Images, 2012. Proceedings of XXV SIBGRAPI. IEEE Press: IEEE Press, 2012. p. 94-101. Reliable polygonal approximation of implicit curves Undergraduate Research supported by FAPESP 2011-2012 Supervisor: Afonso Paiva	
Extracurricular Activities	Programming Contests Participating as coach in the ACM-ICPC 2014 World Finals 2013 - 2014 <ul style="list-style-type: none">ACM-ICPC Latin America Regional Contest (1st Place) As competitor participated in: <ul style="list-style-type: none">ACM-ICPC Brazilian Regional Contest 2009-2012ACM-ICPC Latin America Regional Contest 2009 Advanced Algorithms Laboratory Course March 2013 - July 2013 Teaching Assistant	