

Samuel Chong Tay

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OBJECTIVE	A dynamic position in software development that allows learning and expanding into new technologies to solve interesting problems.	
EDUCATION	<i>Bachelor of Science</i> , 2013 Kenyon College, Gambier, OH Major: Mathematics Minor: Scientific Computing GPA: 3.91 Honors:	
COMPUTER SKILLS	<i>Languages & Software</i> : Fluent in Javascript, C++, and PHP. Experience in bash scripting and writing docker compositions. <i>Operating Systems</i> : Linux and Mac OS.	
EXPERIENCE	<i>Senior Applications Engineer</i> Blue Acorn, Charleston, SC	May 2014 - Present
	<ul style="list-style-type: none">• apprentice -> senior achievement• contributions to internal infrastructure such as deployment tools and docker management scripts• extensive magento and magento2 development	
	<i>Reporting Analyst</i> SIB Development and Consulting	September 2013 - May 2014
	<ul style="list-style-type: none">• Built reports using Excel and Acrobat to validate savings for clients.	
	<i>Life Skills Trainer</i> Independent Support Services, Rock Hill, NY	Summer 2012
	<ul style="list-style-type: none">• Tutored an autistic client in math and successfully increased placement exam scores, allowing the client to pursue their desired program at the SUNY Nassau Community College.	
	<i>Research Assistant</i> AstroParticule et Cosmologie, Paris, France	Summer 2011
	<ul style="list-style-type: none">• Conducted research and data analysis in correlation of temperature variation and phase noise for LOT (LISA On Table), an optical simulator for the LISA mission, under Dr. Hubert Halloin.	
	<i>Research Assistant</i> Valparaiso University, Valparaiso, IN	Summer 2010
	<ul style="list-style-type: none">• Explored pattern avoidance in ternary trees (combinatorial mathematics) in a team of three undergraduate students under mentor Dr. Lara Pudwell.	
PUBLICATIONS	Pattern Avoidance in Ternary Trees, Nathan Gabriel, Katherine Peske, Lara Pudwell, and Samuel Tay, Journal of Integer Sequences 15 (2012) 12.1.5. http://arxiv.org/abs/1110.2225	