

David Logan Cummings

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OBJECTIVE

A multi-disciplinary role integrating technology and design to improve human interactions with our environment and each other.

EDUCATION

May 2007	<i>Bachelor of Science</i> Johns Hopkins University	Electrical and Computer Engineering Baltimore, MD
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EXPERIENCE

Nov. 2011 - Present	<i>Co-Founder</i> Sensorstar Labs	Long Island City, NY
	<ul style="list-style-type: none">• Design and implementation a 64-channel LED controller with audio sync• Aided in the development and testing of a virtual world conferencing application utilizing OpenCV for background segmentation• On-going investigations at the intersection of new media and physical computing	
June 2011 - Present	<i>Founder, Chief Stuckee</i> Mechanart Industries, LLC	mechanart.com
	<ul style="list-style-type: none">• Development of a business card sized wireless field visualizer• Design and functional verification of a novel power tool accessory• Mechanical design and prototyping of custom bicycle componentry	
Nov. 2010 - Sept. 2011	<i>Consulting Senior Engineer</i> Sensorstar, Inc.	Ellicott City, MD
	<ul style="list-style-type: none">• System architecture, power supply design, and team lead for a portable multi-mode wireless communications and data acquisition device• Circuit analysis and debug for a high-speed audio interleaving system• Android application testing and development	
Oct. 2008 - Oct. 2010	<i>Systems Architect</i> Northrop Grumman ES	Linthicum, MD
	<ul style="list-style-type: none">• Evaluation and selection of mainstream-market driven high performance coprocessors – including algorithm work in C, VHDL, and CUDA	

SKILLS

<i>Computer Languages</i>	C, C++, Python, Bash, OpenCV, Ruby, \LaTeX , <i>inter alia</i> as needed
<i>3D CAD</i>	PTC Creo (formerly Pro/ENGINEER), Alibre Design, SketchUp
<i>PCB Design</i>	CadSoft Eagle
<i>Simulation</i>	Ansoft HFSS, Pro/Mechanica
<i>Operating Systems</i>	Linux (Ubuntu pref.), OS X, Windows XP/7
<i>Fabrication</i>	Welding (MIG, Stick, TIG(pref.)), Manual Machining
<i>Human Languages</i>	Native English, Conversational Spanish, Beginner Russian