

# David Logan Cummings

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## OBJECTIVE

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

## EDUCATION

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

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|------------------------|--|----------------------|
| Nov. 2011 - Present    | <i>Co-Founder</i><br><b>Sensorstar Labs</b>  | Long Island City, NY |
|                        | <ul style="list-style-type: none"><li>• Designed and implemented a 64-channel LED control board with audio integration</li><li>• Aided in the development of a novel background segmentation software using OpenCV</li><li>• On-going investigations at the intersection of new media and physical computing</li></ul> |                      |
| June 2011 - Present    | <i>Founder, Chief Stuckee</i><br><b>Mechanart Industries, LLC</b>  | mechanart.com        |
|                        | <ul style="list-style-type: none"><li>• Developed a business card sized wireless field visualizer</li><li>• Design and functional verification of a novel power tool accessory</li><li>• Mechanical design and prototyping of custom bicycle componentry</li></ul>   |                      |
| Nov. 2010 - Sept. 2011 | <i>Consulting Senior Engineer</i><br><b>Sensorstar, Inc.</b>   | Ellicott City, MD    |
|                        | <ul style="list-style-type: none"><li>• Systems Architecture design and team lead for a novel multi-mode wireless communications and data acquisition device</li><li>• Circuit analysis and debug for a high-speed audio interleaving systems</li><li>• Android application testing and development</li></ul>          |                      |
| Oct. 2008 - Oct. 2010  | <i>Systems Architect</i><br><b>Northrop Grumman ES</b>   | Linthicum, MD        |
|                        | <ul style="list-style-type: none"><li>• Evaluation and selection of mainstream-market driven high performance coprocessors – including requisite algorithm porting to VHDL and CUDA</li></ul>  |                      |

## SKILLS

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| <i>Computer Languages</i> | C, C++, Python, Bash, VHDL, CUDA, OpenCV, Ruby, L <sup>A</sup> T <sub>E</sub> X, Arduino, Processing |
| <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   |