

Logan Kaminski
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EDUCATION

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

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| July 2016 - Nov. 2023 | <i>Senior Applications Engineer</i> Linear Technology | Grass Valley, CA <ul style="list-style-type: none">Supported customers as factory applications working together with IC designers. |
| Aug. 2015 - June 2016 | <i>Senior Hardware Engineer</i> Airware | San Francisco, CA <ul style="list-style-type: none">Owned development of a SWaP constrained aerial compute platform from requirements finalization through DVTFCC and CE testing of a complete commercial UAVDeveloped and supported production testing of all hardware components of the Aerial Information Platform |
| July 2014 - July 2015 | <i>Hardware Engineer</i> Airware | San Francisco, CA <ul style="list-style-type: none">Schematic revision, prototyping, board bring-up and DVT for multiple small embedded sensor systemsEMI troubleshooting and mitigation for a sensitive GNSS receiver board |
| Sept. 2013 - June 2014 | <i>Staff Engineer</i> Talksum, Inc. | Campbell, CA <ul style="list-style-type: none">Developed a custom embedded Linux targeting x86_64 and ARM SoCs in under 150MB using BusyBox, crosstool-NG, and Buildroot: single userspace codebase supported without modification on all platformsLed the design and development of a full-system testing suiteWrote requirements and specifications for 1/3 of initial release tasks |
| Nov. 2011 - Aug. 2013 | <i>Co-Founder</i> Sensorstar Labs | Long Island City, NY <ul style="list-style-type: none">Designed and built an audio-synchronized 64-channel LED controllerNovel biometrics sensor circuit design and prototypingSchematic capture and PCB layout for a very small wearable Bluetooth deviceAided in the development and testing of a virtual world conferencing application utilizing OpenCV for background segmentation |
| 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 deviceCircuit analysis and debug for a high-speed audio interleaving systemAndroid application testing and development |
| Oct. 2008 - Oct. 2010 | <i>Systems Architect</i> | |

- Evaluation and selection of mainstream-market driven high performance coprocessors – including algorithm work in C, VHDL, and CUDA

SKILLS

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| <i>Schematic Capture & PCB Layout</i> | Altium Designer, CadSoft Eagle |
| <i>Computer Languages</i> | C, C++, Python, Bash, OpenCV, Ruby, \LaTeX , <i>inter alia</i> as needed |
| <i>3D CAD</i> | Dassault Solidworks, PTC Creo (formerly Pro/ENGINEER) |
| <i>Simulation</i> | SPICE (LTSpice, Berkeley 3f5), Solidworks Mechanical |
| <i>Operating Systems</i> | Linux (Ubuntu pref., Embedded via Buildroot), OS X, Windows XP/7/10 |
| <i>Fabrication</i> | 3D Printing, Welding (TIG, MIG, Stick), Machining (Manual and CNC) |
| <i>Human Languages</i> | Native English, Conversational Spanish |

PATENT APPLICATIONS

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| <i>Automotive Seating</i> | Montgomery, Benson, Cummings, Drubetskoy, Bonk <i>Oximetry Sensor Assembly and Methodology for Sensing Blood Oxygen Concentration</i> US Application # 20150297125 filed Nov. 26 2013 Benson, Lowell, Montgomery, Dexter, Bonk, Cummings, Haase, Baudu, Boussetta, Drubetskoy, Dacosta-Mallet <i>Vehicle Seat with Integrated Sensors</i> US Application # 20150313475 filed Nov. 25 2013 |
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LINKS

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| <i>Github</i> | https://github.com/realpsyence |
| <i>LinkedIn</i> | https://www.linkedin.com/in/logan-cummings-9682ba5 |