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JAF Weekly 3

The JAF Weekly

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The last week has been intense as we define the company's architecture and begin writing programs and strategies. The process acutely reminds me of developing a flight plan for some complicated mission. Simultaneously, it reminds me of the digital design process that, after specification, includes hierarchical interface definition, component architectures, instantiation interconnect, and finally, place and route. Who knew engineering and navigation skills could help build a business and steer it to success? Well, we're not there yet, but I am going to go ahead and believe in myself.

As is often the case, the conversations I have with customers, potential customers, friends, partners, potential partners, and competitors are the most illuminating experiences of the week, and this week is no different.

I spoke with a friend from a road running club I attended in Austin. When I was debating moving to the Bay Area back in 2015, he provided advice that changed my worldview, and with the benefit of hindsight, it is evident that change was for the better. He asked some questions that helped direct my attention to articulate details of the operational automata of a business. Note that while I articulate it as automata, the operator that executes various roles may, in fact, be a human.

Computers of the future will be architected from a perspective that is aware of the physical configuration of the computer. Note that the time evolution of a computer's state embodies the physical realization of the program's execution sequence. Current hardware description languages (VHDL and Verilog) abstract the physics from the logical design. It is their strength. it is their weakness. I am so excited to share my vision!



Figure 1: Movable font on the side of the first article of a low-cost, green clean room articulates The Canonical Art LLC's mission statement

In other news, I had a bit of an epiphany regarding the company mission statement while working in my laboratory this weekend. The photo in Figure 1 captures a wall on the side of the first clean room I built last winter in my basement. The clean room demonstrates how the use of standard construction techniques combined with new materials and off the shelf products can make clean rooms LEAN, MEAN, GREEN, and CLEAN! The art displays the function $y = f(\heartsuit)$ and is the most succinct articulation of The Canonical Art LLC mission statement. Stay tuned for a more detailed articulation, including some exciting product announcements.

I'll keep this public communique short, as articulating the nascent executive program (while executing it!!) is my principal priority. I did a lot of exciting work at the US Marines, UTSA, Rice University, SwRI, ARL:UT, Inview Technology Corp., NXP, Xilinx, and Microsoft. I learned a lot on the way and have also learned a lot since I left. I left each organization either having graduated or having found a better path forward. This time, navigating and directing my own path forward, informed by a cadre of the brightest minds I know of, is no different, but I expect even grander results. I pity those who bet against The Canonical Art; your wallet could be fatter!

I am still seeking collaborators, board members, customers, and anyone excited about a better future made possible by advances in AI, NLP, computer architecture, manufacturing technologies, the metaverse, and more. Want to keep in touch? Click here to be added to the email list!

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