

christian.ondaatje.org

gitlab.com/condaatje

portfolio project:

pricegraph.squire.exchange

(user/pass: "viewonly")

A Distributed Computing specialist focused on automated GPU economics,
with 10y+ professional experience

* **Atoka** (atoka.finance) 2021

Co-founder & CEO

- Singlehandedly designed, built, and deployed distributed, economically-aware, **GitOps-automated**, self-scaling GPU password-cracking system capable of growing to thousands of cloud nodes across multiple regions.
- Singlehandedly designed, and deployed automated datacenter bootstrapping system to spin up baremetal clusters. Built a **hybrid cloud of low-cost gaming GPUs** for mixed distribution of our password-cracking work queues.
- Co-designed a unique and original legal structure of blueprinted LLCs and Special-Purpose Vehicles that represents an innovation in cryptocurrency law. Personally drafted significant portions of Atoka bylaws and legal framework (with approval).
- Raised 2.1mm across three rounds of investment and two (multi-subsidiary) tranches of digital asset recovery funds (over 10 distinct LLCs in total). Custom hashing risk model has (to date) allowed Atoka to return majority of capital when funds expire regardless of portfolio recovery success rate.

* **A Quant Hedgefund** (*identifying details redacted*) 2021

Trading Engine Consultant

- Implemented proprietary algorithmic options trading model and backtesting engine from scratch (Python), and executed across several historical exchange datasets
- Shipped fully functioning, customizable jupyter notebooks with visualizations and walkthroughs for the Head of Trading.

* **Crusoe Energy** (crusoeenergy.com) 2019

Senior Software Engineer, Distributed Computing

- 3rd Engineer at Crusoe, 8th hire overall. Worked directly with CEO, CTO, COO, CFO in San Francisco and in the Bakken oilfields of North Dakota. **1B+** current valuation
- Designed and singlehandedly implemented a robotic distributed system for datacenter management. The Crusoe "**Loadcontroller**" - automated the entire fleet of ASICs, PDUs, and custom servos (e.g. ventilation) at every datacenter nationwide.
 - Eliminated multiple classes of site failure due to unpredictable variation in gas pressure, inclement weather, etc.
 - ++USD millions of revenue, reduced overhead, and labour over project lifetime.
- Automated timeseries data aggregation, visualization, and analysis for **thousands of ASICs** across multiple subsidiaries, states, datacenters and networks.
- Automated granular, dynamic, company-wide financial analytics across subsidiaries
- **Founding engineer** of Crusoe's GPU cloud (crusoe.ai/cloud). Distributed system designed to provide stable cloud infrastructure over a substrate of unstable nodes and network connections. Now used by leading AI cos to undercut AWS, Azure, GCP.
- Singlehandedly designed and deployed full-stack distributed system for automated Ethereum-mining preemptible base-load to generate revenue on idle GPUs in the

oilfield. I used this to demonstrate the **power of Kubernetes** to Crusoe's C-suite and encourage adoption long-term.

- * **Squire Inc** (squire.exchange) 2017
 - Solo Founder
 - Rased a small pre-seed round from the same firm that invested in Wolfepack (General Catalyst subdivision RDV). They've rarely backed a solo founder, or made a repeat bet after the previous investment did not exit.
 - Designed, deployed, and maintained distributed system to harvest spare cloud credits for profit. Mined on **three concurrent blockchains** per node. Became a top miner in one of them (*won't go into more detail here!*)
 - Designed and shipped p2p compute/storage/bandwidth sharing distributed economic system to (consenting!) live users, with usage-sensitive automated earning to dynamically reduce interference with user workloads. Like **friendly malware**.

- * **Wolfepack Inc** (thewolfe.io) 2016
 - Co-founder & CTO
 - Designed software+hardware product that enabled VR, rendering, and AI/ML training on otherwise low-powered Apple laptops (a plug-and-play modular GPU, with a custom chassis and miniature form factor)
 - skills in 3d printing, CAD, laser cutting, CNC milling (and of course programming)
 - Launched viral Kickstarter that raised **\$300k+**, got accepted to Y-Combinator.
 - Apple and Intel interfered, forcing us to cancel our Kickstarter and ultimately decline Y-Combinator's offer (*a fun story for another time!*)

- * **Harvard College, Computer Science** 2014
 - Thiel Fellowship finalist
 - Completed **2x** the required course load for CS, graduated 2018
 - Head and host of the unofficial "Harvard Underground" poker league

- * **Junior Developer, Buenos Aires** 2014
 - (Included to mark the beginning of my professional experience as a programmer - some intervening roles have been truncated. I continued to work part-time through college, in addition to programming for Wolfepack. Details available upon request.)

- * **Daily Drivers** (*demo: christian.ondaatje.org/videos/stack-demo*)
 - Kubernetes, Golang, ArgoCD, Crossplane, MaaS, Python, Kubeflow, AWS, Prometheus, Grafana, GitlabCI, Operator Lifecycle Manager (OLM), Ansible, Terraform, Traefik.
 - ArchLinux, Doom Emacs, Org Mode, GPG, Mikro8s, Codeium, Bash/Fish

- * **Misc**
 - Open-source development: linux VR motorsports simulator
 - Jiu Jitsu, Muay Thai, competetive simracing (GT3 & Rally), competetive poker, chess.