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OBJECTIVE Grow software for a better world.

EXPERIENCE **Co-Founder** 2019-Present
Merit Capital, Seattle, WA
• World Building.

CTO 2017-2019
Meritlabs, Seattle, WA
• Built a next generation digital currency designed with safety, community, and scalability in mind.
• At it's peak it had tens of thousands of users and thousands of miners.

Principal Engineer 2015-2017
FoxCommerce, Seattle, WA
• Built the core technologies and products for an e-commerce system using the event sourcing model with a machine learning pipeline.
• Guided the organization's technical decisions.
• Wrote a fast time series database called Henhouse.

Senior Architect 2008-2015
HERE Maps, R&D Department, Chicago, IL
• Created a computer vision (CV) system to automate map creation.
• The CV system saved the company large sums by leveraging map builder productivity.
• The CV system processed tens of petabytes of imagery and 3D LiDAR data.
• Built innovative debugging & instrumentation tools for developing computer vision algorithms.

Software Engineer 2006-2008
SSS-Software, Lisle IL
• Designed and implemented a WMS compatible Map Server.
• The Map Server became a core product for the company.
• Wrote decoders for government and proprietary image formats from spec.

Research Programmer 2002-2006
North Central College, Naperville, IL
• Designed and implemented stock trading simulation software which ran on the university's computer cluster.

FREE SOFTWARE Download at www.mempko.com

- **Firestr** A peer-to-peer computation and communication platform.
- **Henhouse** A fast time series database.
- **NCC** A flexible component based 3D game engine.
- **Neural** Neural Net library and demos.

EDUCATION **Bachelor of Science**, Computer Science
North Central College, Naperville, IL January 2006