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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 for safety and community.
- At its 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.

Senior Architect 2008-2015
HERE Maps, R&D Department, Chicago, IL

- Created a computer vision system to automate map creation.
- Saved the company large sums by leveraging map builder productivity.
- Processed tens of petabytes of imagery and 3D LiDAR data.

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.

Research Programmer 2002-2006
North Central College, Naperville, IL

- Programmed stock trading simulation software for research.

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.

PATENTS

- **Apparatus and Method to Update Geographic Database.**
US 967240 B2, Jun. 6, 2017
- **Server-Based Systems and Methods for Enabling Interactive Image-Based Applications.**
US 2007/0226314 A1, Sep. 27, 2007

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