

## Maxim Noah Khailo

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[www.mempko.com](http://www.mempko.com)  
[mempko@gmail.com](mailto:mempko@gmail.com)

- OBJECTIVE** Grow software for a better world.
- SOFTWARE EXPERIENCE** **Languages:** C++, Scala, Java, Perl, Lua  
**Software:** Kafka, ElasticSearch, Qt, GCC, CMake, OpenCV, ZeroMQ  
**Operating Systems:** Linux, Windows, Mac
- EXPERIENCE**
- Principle Engineer** 2015-Present  
FoxCommerce, Seattle, WA
- Building the next generation of e-commerce systems.
- Senior Architect** 2008-2015  
HERE Maps, R&D Department, Chicago, IL
- Designed a large scale infrastructure for data processing.
  - Instrumental in the design and implementation of a computer vision system which processed petabytes of data.
  - Built innovative visual debugging and instrumentation tools for developing computer vision algorithms.
  - Designed wire protocols to distribute and process data using ZeroMQ.
- Software Engineer** 2006-2008  
SSS-Software, Lisle IL
- Designed and implemented a WMS compatible GIS mapping server which was the back-end to the client side offering.
  - Wrote decoders for government and proprietary image formats from spec.
  - Built a renderer of elevation data which supported lights and self shadowing.
- Research Programmer** 2002-2006  
North Central College, Naperville, IL
- Designed and implemented stock simulation software which ran on the university's computer cluster.
  - Implemented dozens of stock indicators to experiment with various parametric optimizations and their performance on historical data.
- Contract Programmer** 2003-2005  
Design Concepts, Western Suburbs, IL
- Wrote an MP3 music library manager targeted towards inexperienced computer users and the elderly.
- FREE SOFTWARE** Download at [www.mempko.com](http://www.mempko.com)
- **Firestr** A simple but amazing P2P computation and communication platform.
  - **Muda** A web task list manager written using the DCI programming pattern.
  - **NCC** 3D game engine written in C++/Lua. OpenGL, Physics, OpenAL.
  - **Neural** Neural-net library and demos in C++.
- EDUCATION** **Bachelor of Science**, Computer Science  
North Central College, Naperville, IL January 2006