

Maxim Noah Khailo

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630-290-3718 <http://www.mempko.com>

OBJECTIVE Make amazing software for a better world.

COMPUTER SKILLS **Languages & Software:** C++, Java, Perl, Lua, Haskell, Qt, GCC, Automake, CMake, OpenCV, Microsoft Visual C++, POSIX
Operating Systems: Linux, Windows, Mac.

EXPERIENCE **Senior Software Engineer** 2008-Present
Nokia Location & Commerce Division, R&D Department, Chicago, IL

- Helped design and implement a Computer Vision system in C++ which runs on a large cluster to process petabytes of image data.
- Wrote wire protocols to distribute and process large amounts of imagery on the company cluster and Amazon's AWS
- Worked on the internal end-user mapping software and developed gui-tools to edit map data.

Software Engineer 2006-2008
SSS-Software, Lisle IL

- Designed and implemented a federated GIS mapping server in Java which was able display hundreds of gigabytes of public and government imagery.
- Wrote custom rasterizer to render WFS data within the GIS server.

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

- Designed and implemented stock simulation software in C++ which ran on the university's computer cluster.
- Wrote a top replacement in C++ to display system statistics for a Linux system.

Contract Programmer 2003-2005
Design Concepts, Western Suburbs, IL

- Wrote an MP3 music library manager similar to iTunes but targeted towards inexperienced computer users and the elderly.

FREE SOFTWARE Download/view at <http://www.mempko.com>

Firestr Imagine a chat program where you communicate software.

- Because I wanted to experiment with political economy.

Muda Simple web-based task list manager written in C++.

- Used project to play around with the DCI pattern.

NCC 3D game engine written in C++/Lua.

- OpenGL, Physics, Scriptable, OpenAL Sound

Neural Neural-net library and demos in C++

- Wrote this to learn neural-nets.

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