

Milevski Alexander

<https://milevski.co>

Front-end/Visualisation/UI/GIS Engineer

+33 (0) 6 51 70 32 04 • alex@milevski.co • <https://github.com/w8r/> • Skype/GTalk: alexander.milewski

I'm a software engineer currently working and residing in Paris. I'm developing complex web applications and libraries, based on creativity, social media and collaborative knowledge concepts. I am especially excited by web-cartography and maps, computational geometry and open-source. My hobbies are visual arts, interactive media, music and travelling.

SKILLS

- Javascript, GIS(Maps), data visualization, WebGL/SVG/Canvas, CSS3, HTML5
- Complex, large codebase javascript front-end applications,
- Algorithm skills, computational geometry, performance optimization
- GIS: principles, formats, OGC, Geoserver, ArcGIS API, algorithms etc
- A/B testing, automated testing
- user community management
- Typescript, Google Closure Library, Leaflet, Google Maps API, React, React Native
- Build & deployment automation, Webpack, Grunt, Gulp, npm
- git, svn, bash, make, Apache Ant, OS X
- Experience with C++, Qt4
- Adobe® Photoshop, Illustrator
- English, French (conversational), German, Polish(basic), Russian(native)
- hand-drawing, painting, sculpture.

WORK

▸ [Linkurious](#) Paris, FR - Lead R&D engineer (dec 2016 - today)

Graph visualisation library.

- Graph drawing algorithms
- Spatial indexing algorithms and data structures
- API design, Product development, Marketing & support coordination
- GIS applications integration
- Team of 3 people

▸ [eVision Industry Software](#) The Hague, NL - R&D engineer/GIS Specialist (jul 2014 - dec 2016)

Research, architecture and development of a high-value GIS component for industry leading EPTW software, domain: oil and gas.

- Building a stand-alone GIS environment solution, interchangeability between ArcGIS and Geoserver, data and server management
- Applying GIS-based solutions to non-geographical spatial viewers and UIs
- Creating open-source components for Leaflet & algorithms
- Vanilla JS, npm toolchain, Bootstrap, Gulp, LESS, Node.js, Geoserver, Esri ArcGIS REST API, Leaflet, JSTS, tape, Jasmine
- Working with 2 backend integration teams

Design & development of 2D spatial viewers/editors for operational tasks

- Applying GIS principles and formats and UX to non-cartographical environments
- React UI + Leaflet low-level, heavy performance-critical usage of SVG
- API and integration design
- 1 reporting person

Research, architecture and development of viewer/editor of heavy industrial schematics sponsored by EU grant.

▸ Wikimapia.org Moscow, RU - front-end lead (2009-2012, feb. 2013 - jul 2014)

International community driven collaborative interactive map project, ~1.2M unique visitors per day

Javascript, Google Maps API 2,3, UI/UX, CSS, browser optimisation, international community support

- Architecture and development of the OpenLayers-like fully API-independent interactive map engine
- Creating collaborative map editing tools and environment
- Building the desktop and mobile webapp
- UI/UX, algorithms

▸ [Dream Industries](http://DreamIndustries.com) Moscow, RU - front-end developer(oct. 2012 - dec. 2013)

- bookmate.com - web reader development, EPUB, Backbone

- zvoq.ru - Part-time front end development on >200k lines of code project, Google Closure Library, Web Audio

▸ Stins Coman Group Moscow, RU - web-designer (2008-2009)

- ggo.ru, stinspro.ru, amata-sc.ru, stinsconf.ru, prostins.ru, several intranet sites and services - design,
- UI and GMaps mapplets
- touchscreen user interface design of a vehicle speed measuring laser device

▸ Freelance (selected works) (2003-)

- <http://tessinskiy.ru> - promo-site of award-winning loft building architectural project, "State Development" - design,xhtml, css, js

- <http://imeda.ru/> - International Medical Device Manufacturers Association - design, xhtml, css, js, cms

ART EXHIBITIONS

- Students art exhibition, CHA, Moscow, 2008
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- "Artist's Book"(book-art), Modern Arts Museum, Moscow, 2005
- Non-Fiction-2004(book-art), CHA, Moscow, 2004

EDUCATION

- Moscow State Institute for Electronics and Mathematics - Computer Science (2003-2008)
grad. work - "Edge detection in image processing using neural networks", implemented in Qt4
- Moscow State Institute for Electronics and Mathematics - Graphic Design (2005 - 2009)
- Krasnopresnenskaya art school (1992-2003) - 1 deg.diploma
- Goethe-Institute german language diploma (DSD) (2003) and two language courses in Heidelberg, Germany(2007) and in Moscow(2010)