



# Sergei Kalugin

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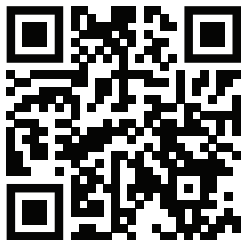
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sergei-kalugin



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## EXPERIENCE

**Developer, Northwestern University (MAD Studio)**

**since 2016**

At the Media and Design Studio, I cover a broad range of tasks: from basic user research and initial wire-framing to high-fidelity prototyping and final implementation. I work closely with both faculty and students to develop a variety of class- and research-based applications that include interactive web apps, mobile apps, archives, and digital editions. In this role, I often manage student workers to help with the development of large-scale projects as well as train the faculty to be effective collaborators.

**Associate Software Developer, Northwestern University (MMLC)**

**2013–2016**

At the Multimedia Learning Center, the focus of my work was on web design, UI/UX, and front-end implementation of the requirements for web-based projects for language instruction and digital humanities. The most interesting and challenging projects were games and interactive exercises.

**Web Developer, AIS Labs**

**2012–2013**

At AIS Labs I was in charge of building, improving, and maintaining a relatively large portfolio of websites — mostly content management systems written in PHP — with about 20% of the time spent on new full-stack LAMP development including extensive theming, proposing and implementing interactive features, building out forms, testing browser compatibility, etc.

**Web Content Manager/Copywriter, Skiline LLC**

**2010–2012**

At this online retailer, I managed all the content for the Joomla driven web-store and covered some of the front-end bug-fixing and maintenance.

**Running, Sport Orienteering, Triathlon Coach**

**2006–2010**

My exposure to a variety of endurance sport disciplines — running, cycling, cross-country skiing, etc. — allowed me to coach and organize training camps for children and adults over several seasons.

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## EDUCATION

**M.S. Economics, The Baltic State Technical University**  
a.k.a. "VOENMEH," St. Petersburg, Russia

**2003–2008**

## RECENT PROJECTS

**Flipped French** — an interactive adaptive French grammar textbook

<https://flipped-french-bleeding-edge.netlify.app>

**The Pulter Project** — a digital edition of Hester Pulter's poems

<https://pulterproject.northwestern.edu>

**Notunterkunft** — a web app for a German class showcasing students' essays about refugees in Berlin

<http://notunterkunft.madstudio.northwestern.edu>

**Chicago Mural Movement** — a digital archive featuring Chicago's outdoor murals created in 1960-70s

<http://madstudio.northwestern.edu/ChicagoMuralMovement>

**Shakespeare's Circuits** — a WordPress collection of GIS and factual data collected by students and faculty

<http://shakespearescircuits.northwestern.edu>

**Visualizing Les Misérables** — a microsite featuring the research data for the MLA volume *Approaches to Teaching Hugo's Les Misérables*

<https://lesmiserables.commons.mla.org>

**Präepp** — a hybrid mobile app to help to learn German verbs and their corresponding prepositions

<http://mmlc.northwestern.edu/praepp>

**Open Door Archive** — an Omeka based site showcasing Latin American poetry related collections of media objects as well as the essays composed by the students

<http://opendoor.northwestern.edu/archive>

**WildWords** — a wiki encyclopedia that focuses on Northwestern-specific language space

[https://nudictionary.mmlc.northwestern.edu/wildwords/index.php/Main\\_Page](https://nudictionary.mmlc.northwestern.edu/wildwords/index.php/Main_Page)

## TECHNICAL SKILLS

### FRONTEND

Languages: HTML, XML+XSLT, CSS (Sass), Javascript (Typescript)

Tools and frameworks: Angular, AngularJS, React, Gatsby, jQuery, Lodash, Compass, etc.

### BACKEND

Languages: PHP, Javascript (Node)

Tools and frameworks: Laravel, MediaWiki, WordPress, Omeka, Drupal, CakePHP, ffmpeg, ImageMagick

### UX/UI & DESIGN

Adobe XD, Adobe Illustrator, Sketch, InVision, Craft, Framer etc.

### AI, DATA ANALYSIS & VISUALISATION, TOOLING

GNU R, R Studio, Python, Carto, Mapbox, Gephi, PyTorch, Stable Diffusion, GitHub Actions, AWS S3