Daniil Koshelyuk

Date of birth: **16/Aug/1995**   Nationality: **Russia**   Residence: **Spain**

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Architect passionate about technologies, investigating complex systems, exploring ways of applying digitally enhanced solutions to practical problems.

Education:

Jan/20 - ongoing   Tinkerers Fab Lab + Fab Lab Barcelona. **FabAcademy**

Sep/17 - Jul/19 MAA02 Institute of Advanced Architecture of Catalonia. Specialized courses:

Oct/18 - Jul/19 Thesis Development Studio: Areti Markopoulou
Artificially and Materially Intelligent Architecture - multifaceted individual research studio.
"Intraspace: Mixed Reality Platform For Interior Spaces"
Jan - Jul/18   Research Studio: Areti Markopoulou, David León, Raimund Krenmüller, Angelos Chronis
Digital Matter – an applied scientific method based research studio.
Sep - Dec/17   Introductory Research Studio: Edouard Cabay**,** Rodrigo Aguirre
Machinic Protocols / Active Public Space - protocol-based research methodology.

Sep/12 - Jul/17 **BArch**   Moscow State Academy of Architecture (MArchI). Specialized courses:

Sep/14 - Jul/17 Architectural Design Studio: Nabokova Tatiana Borisovna
multiscalar and multifunctional architectural and urban design studio.
Sep/12 - Jun/14 Basics of Architectural Design Studio: Favorskaya Elena Anatolyevna
methodology and basics of architectural composition.

Sep/08 - May/12 specialty **programming**   Lyceum of Informational Technologies.

Professional Events:

Oct/19   Austin, TX, USA   **ACADIA** scientific paper publication

"Alive: A Multi-Layered, Flexible And Elastic Shape Aware Graphene-Based Interface"
Selected Student **Scholarship Nominee**

Feb-Mar/19   Barcelona Esp.   Economics workshop: Gonzalo Delacámara
Jan/19   Barcelona Esp.   Machine Learning workshop: Mateusz Zwierzycki
Jul/18   Barcelona Esp.   Bifurcation Workshop: Mark Burry, Rodrigo Aguirre
Jul/18   Barcelona Esp.   Urbanization: Urban Fabrics Workshop: Vicente Guallart
Feb/17   Moscow Rus.   Softculture. GIS: urban analysis of Hitrovka district, **workshop**.
Jul/16   Moscow Rus.   Architectural bureau Group ABV **internship**
Apr-May/16   Moscow Rus.   MArchI. Yearly students' project **competition**: diploma 3rd level;
Mar-Apr/16   International   HeroX. Autism speaks "House to home" concept **competition**:
participation;
Sep-Oct/15   International   Start for talents. London art school design **competition**: participation;
Aug/13   Zurich Switz.   **Urban development workshop**:

Seller & Seller Urban Planning and Development   *seilerseiler.com*
Van de Wetering Atelier für Städtebau   *wetering.ch*

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Skills:

Languages:
    Russian: mother tongue;
    English: IELTS 7.5 [Speaking 7, Listening 8, Reading 8.5, Writing 6.5] = CEFR C1;
    Spanish: CEFR B1.1

Software:
  Architectural: Rhinoceros + **Grasshopper + Python Component Development**;
        ArchiCAD, SketchUP, QGIS, AutoCAD, Revit, Velux;
  Visual: Photoshop, InDesign, Premiere, Illustrator;
  Programming: **C#, Python**, Arduino, Processing;
        Unity: standalone and AR development for Hololens;
        HTML (Pug), CSS (SASS), JavaScript (jQuery, gulp); Excel + VBA.

Experience:

Tinkerers **Fab Lab**: HAToM project   Jul-2019 – ***ongoing***   Barcelona   developer
    Role: **Mixed Reality Platform Developer**.

IED   Jan-2020 – ***ongoing***   Barcelona   tutor
    Roles: **Parametric Design Course teacher**

Freelance   Sep-2019 – ***ongoing***   Barcelona   digital design expert
    Roles: **Interactive Visualization, Parametric Design, Development**
    Projects: **MYAA + Supercitys:** interactive visualization, **Supercitys:** Italy, museum installation, **HoloFab** tools for exchanging geometry and data with AR devices.

Global Summer School   2018, 2019   Barcelona   assisting tutor
    Roles: Computational Expert Assistant, Student Team Leader.

IAAC. Computational Design Course (**Grasshopper**) 2018 – 2019   Barcelona   assisting tutor
    Tutors: Rodrigo Aguirre, David Andres Leon

"Point of view" research group. **«System»:**   participant
    Research leader: Shirinyan Evgeny Artashesovich
    Roles: Room Analysis (natural light accessibility) with Velux Daylight Visualizer; Existing Design BIM Modeling; Timetable análisis and restructuration; Development of a **Timetable Automatization System** with Excel + VBA.
    Lectures and conferences: System. Point of view. Analysis de Edificios Existentes; GIS-conference Esri: "How did we model MARCHI"; System. Point of view. Event Visualization, etc.

Moscow Architectural Institute   junior system administrator

Moscow Cardboardia   installation and performance designer
    Art gallery of Zurab Tsereteli. Exhibition of works of children with cancer. "Gift of life"; Netherlands **Lowlands festival** workshop, performance, and installation *(in collaboration with the international team of Artists);* Design and implementation main Carboardia installation for Moscow's City Day, etc.

MArchI students' coalition   2013- 2015   curator of science branch events

Blood donation ongoing   volunteer