



Artur Kuzminykh

BIM specialist and consultant

BIM consultant, engineer and designer with experience in BIM and information management, modelling, 4D planning, point cloud processing, project coordination and applied programming. Responsible, self-motivated and proactive professional capable of delivering high-level performance both in a team and independently. My interests include digital transformation, sustainable development, data structures and BIM-based business process re-engineering.

WORK EXPERIENCE

- 10/2023 - present **BIM Specialist and Consultant**
Self-employed/Outsource consulting (remotely worldwide)
Consultation on BIM implementation; conducting classes on working with open data formats; recommendations on the choice of work methodologies and software; writing custom scripts for automation; BEP/EIR establishment and training; complex modelling
- 10/2023 - 09/2025 **Researcher**
University of Minho (Portugal), ISISE
Conducting academic research on BIM in the scope of EU project; project coordination; reporting and publishing
- 10/2022 - 10/2023 **BIM Manager**
09/2025 - present *Laptev & Partners*
BIM management; project coordination; BEP/EIR establishment and training; automation, guidance on open BIM workflows; data analysis and processing; VR experience creation
- 03/2019 - 09/2022 **BIM Coordinator | BIM modeller**
Self-employed/part-time | Outsource consulting (remotely worldwide)
Elaboration of BIM design documentation, BIM objects (families), as-build models based on point clouds; scripting for design processes' optimization; templates development; designing of architectural steel structures; shop drawings (architectural/structural/HVAC systems); model validation and coordination
- 06/2020 - 08/2020 **3D&4D BIM modeller (trainee)**
H+P Consult GmbH (Austria)
Creation and coordination of 3D/4D BIM model of infrastructure project
- 03/2019 - 06/2019 **International student project coordinator**
Peter the Great St. Petersburg Polytechnic University (Russia)
Conducting training sessions on BIM for students in the framework of educational international project "Student Marathon 2019"
- 07/2017 - 09/2017 **BIM technician (trainee)**
"FCNIVT "SNPO "Eleron" - "VNIPIET" Corp. (Russia)
Development of Revit families, scripting in Dynamo for Revit
- 01/2017 - 06/2017 **CAD designer**
St.Petersburg, remotely/part-time
Design of steel structures, shop drawings

EDUCATION

- 10/2021 - 09/2022 **BIM A+ European Master in BIM** <https://bimaplus.org/>
University of Ljubljana (Slovenia), University of Minho (Portugal)
Field(s): BIM, information management, parametric modelling, data systems and interoperability, project management, sustainability and BIM-based rehabilitation analysis
Dissertation: Integrated Planning and Recording Circularity of Construction Materials through Digital Modelling (Grade: 20/20)
GPA: 9.83 (10 points grading scale)
- 08/2014 - 07/2020 **Civil Engineering (specialist 6-year programme)** <https://www.spbstu.ru/>
Peter the Great St. Petersburg Polytechnic University (Russia)
Field(s): Construction of unique buildings and structures
Graduate qualification work: Muxed-use public building on the riverbank of Smolenka in Saint Petersburg (Grade: 5/5)
GPA: 5.0 (5 points grading scale)
- 09/2019 - 02/2020 **Exchange studies at TU Graz** <https://www.tugraz.at/home/>
Graz University of Technology (Austria)
Field(s): Construction management, BIM and energy efficiency and sustainability analysis
GPA: 1.0 (5 points reverse grading scale)
- 09/2018 - 02/2019 **Exchange studies at ETSAM, UPM** <https://www.upm.es/>
Higher Technical School of Architecture of Madrid-ETSAM, UPM (Spain)
Field(s): Architecture, construction materials, business communication
GPA: 8.58 (10 points grading scale)

EXPERTISE and CERTIFICATIONS

Processes

BIM coordination and management | BIM modelling | Optimization of workflows | Data management in BIM-based delivery | Technical support & teaching | Writing instructions & standards

BIM and CAD

Revit | AutoCAD | Inventor | Navisworks | ReCap | Dynamo | Solibri Office | Bixel Manager | BIM 360 | MS Project | Blender

Visualization

Photoshop | Lumion | SonyVegas | BIM in web: Xeokit | VR (UE5 Fundamentals)

Programming

Python | Dynamo | Fundamentals of PHP/HTML/JS | Fundamentals of SQL/ noSQL DB implementation | Django

PUBLICATIONS

- 2025 **Novos Modelos de Negócio para Escalar a Circularidade dos Materiais de Construção. E-livro de apresentações.** E-book of presentations in the framework of the RecycleBIM project, Vila Nova de Gaia, Portugal
- 2025 **Circularity of construction materials: precedence between elements based on digital models for demolition.** Conderence paper. International Conference on Concrete and Circular Economy (CCE2025), Morocco
- 2025 **IFC-based Demolition Schedule Optimization.** Conderence paper. International Conference on Concrete and Circular Economy (CCE2025), Morocco

- 2024 **Promoting circularity of construction materials through demolition digitalisation at the preparation stage: Information requirements and openBIM-based technological implementation.** Journal paper. <https://doi.org/10.1016/j.aei.2024.102755>
- 2024 **Nível de informação necessário para a circularidade dos materiais de construção no âmbito do projeto RecycleBIM.** Conference paper. 5º Congresso Português de 'Building Information Modelling' (ptBIM 2024)
- 2024 **Plataforma integrada para a circularidade dos materiais de construção: prova de conceito no âmbito do projeto RecycleBIM.** Conference paper. 5º Congresso Português de 'Building Information Modelling' (ptBIM 2024)
- 2023 **RecycleBIM: A framework for the circularity of construction materials through modelling.** Conference paper. V International Conference Progress of Recycling in the Built Environment, Germany
- 2023 **RecycleBIM Approach Towards Integrated Data Management for Circularity: Proof of Concept in a RC Building.** Book chapter. DOI: 10.1007/978-3-031-33211-1_23
- 2022 **O projeto Europeu RecycleBIM rumo a plataforma integrada de gestão de resíduos da construção.** Conference communication. <https://doi.org/10.5281/zenodo.6885396>
- 2022 **Integrated planning and recording circularity of construction materials through digital modelling.** Master thesis. Universidade do Minho, 2022 <https://hdl.handle.net/1822/81121>
- 2022 **4D and 5D Design Processes Automation Using Databases, Classification and Applied Programming.** Proceedings of 3rd international scientific conference "BIM in construction and architecture" https://doi.org/10.1007/978-981-16-3844-2_59
- 2020 **Multifunctional public building on the embankment of Smolenka river, St. Petersburg.** Specialist graduate qualification work. St. Petersburg, 2020 <https://doi.org/10.18720/SPBPU/3/2020/vr/vr20-4553>
- 2020 **Experience in creating a digital model of a building as a part of international educational program on the BIM 360 platform.** Conference paper, DOI:10.23968/BIMAC.2020.047 https://www.spbgasu.ru/upload-files/nauchinnovaz/sbornik_trudov/BIM2020.pdf
- 2020 **Energy Design. Learning from hotels. Vol. VI/I.** Collection of course results. Institute of Buildings and Energy, Graz University of Technology. <https://www.tugraz.at/institute/ige/home/>
- 2019 **Cost estimation of energy efficient project solutions according to the "Green Zoom" standard** Conference paper. Proceedings of "SPbPU Science Week" <https://www.elibrary.ru/item.asp?id=41756877>
- 2017 **Design processes in the energy-efficient information modeling automation** Conference paper. Proceedings of the International Scientific Conference "SPbWOSCE. Energy efficiency and Sustainable Development in Civil Engineering"
- 2017 **Work of special rod system depending on its geometry** Research article. DOI: 10.18720/CUBS.56.3, <https://unistroy.spbstu.ru/en/article/2017.56.3/>

LANGUAGES

English C1, Portuguese B1, Spanish A2, German A1,
Russian Native

HOBBIES

Arts, active tourism, bjj