DUSAN BIOCANIN

M.Sc. Civil Engineering
Date of Birth: 22 / 06 / 1986
Residence: Belgrade, Serbia

CONTACT

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EXPERIENCE

2017 - Present
Software developer in IDEA StatiCa

I work as a senior civil engineer and software developer, responsible for development of civil engineering sofware in IDEA StatiCa.

2013 - 2017
Civil engineer in MB-Project Bureau

I worked as a senior civil engineer primarily responsible for modeling and structural analysis. I have participated in design of over ten multifunctional complexes and created several software applications for structural design.

Duties
-performing structural & dynamic analysis
-BIM & structural modeling
-designing reinforced concrete structures
-preparing project documentation
-material scheduling and cost tracking
-implementing foreign drafting and dimensioning standards
-collaborating with architects and MEP engineers
-team leading and project management
-applying personal technical knowledge and experience in training of junior colleagues

2006 - 2013
Private tutor in the field of construction science

I have been providing guidance and mentorship to engineering students for over six years. Tutoring helped me bind acquired knowledge in the specified fields and gave me useful experience in collaborative problem solving.

Duties
Tutoring in following subjects:
-statics & dynamics
-strength of materials & solid mechanics
-algorithm & matlab programming

EDUCATION

Faculty of Civil Engineering – Belgrade

2013 - 2014   Master Science in Structural Engineering

2005 - 2012   Bachelor's degree in Civil Engineering

Grammar School "Vuk Karadzic" – Trstenik

2001 - 2005 Natural Science and Mathematics Department

Regional Center for Young Talents – Kraljevo

2001 – 2005 Department of Physics & Programming

LANGUAGES

English　　　(B2 level)

Norwegian　(B1 level)

Russian　　　(A1 level)

ENGINEERING & SOFTWARE SKILLS

3D modeling & Animation
-Revit Structure
-Lumion3D

Structural & Dynamic analysis
-Radimpex Tower
-Robot Structural
-ANSYS

Drafting
-AutoCAD 2D & 3D
-Radimpex ArmCAD

Programing
-C#
-Matlab
-Visual Basic (VBA)

COMMERCIAL PROJECTS

Multifunctional complex "Dmitrovskoe"
Location: 87 Dmitrovskoe shosse St, Moscow
Number of Levels: 2+33
Total Area: 81 500 m^2
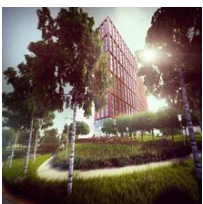*Assignments*: BIM modeling, structural & dynamic analysis, formwork drawings

Residential complex "Prechistenka"
Location: 43 Prechistenskaya Nabereznaya St, Moscow
Number of Levels: 2+5
Total Area: 19 000 m^2
Assignments: BIM modeling, structural analysis, formwork drawings

Business complex "Nakhymovsky"
Location: 21 Nakhimovsky Prospekt, Moscow
Number of Levels: 2+17
Total Area: 36 000 m^2
Assignments: BIM modeling, structural & dynamic analysis, formwork drawings

Business complex "Malaya Ordynka"

Location: 19 Malaya Ordynka St, Moscow

Number of Levels: 2+6

Total Area: 19 500 m^2

Assignments: BIM modeling, structural & dynamic analysis, formwork drawings

Residential Complex "Novoslobodskaya"

Location: 24 Novoslobodskaya, Moscow

Number of Levels: 2+10

Total Area: 35 000 m^2

Assignments: BIM modeling, reconstruction, structural analysis, formwork & reinforcement drawings

Residential complex "Polyanka"

Location: 44/2 Bolshaya Polyanka St, Spasonalivkovskiy pereulok, Moscow

Number of Levels: 2+7

Total Area: 19 000 m^2

Assignments: Reconstruction phasing, structural analysis, formwork & reinforcement drawings

Multifunctional Complex "Moscow Heart"

Location: 1 Shenogina St, 34 Shelepikhinskaya naberezhnaya St, Moscow

Number of Levels: 4+37

Total Area: 835 000 m^2

Assignments: BIM modeling, structural & dynamic analysis, formwork drawings

Multifunctional Complex "Slava"

Location: 8 Leningradskiy prospekt, 8 1-ya Yamskogo Polya St, Moscow

Number of Levels: 2+18

Total Area: 457 000 m^2

Assignments: Structural & dynamic analysis, formwork drawings

Hotel And Office Complex "Pionerskaya"

Location: 1/17 Bolshaya Pionerskaya St, Moscow

Number of Levels: 2+14

Total Area: 43 000 m^2

Assignments: Structural analysis, formwork & reinforcement drawings

Multifunctional Complex "Fili Town"

Location: 5 Beregovoy proyezd, Moscow

Number of Levels: 2+32

Total Area: 191 500 m^2

Assignments: Structural analysis, formwork & reinforcement drawings
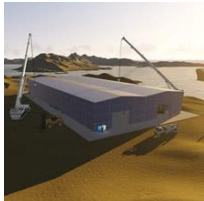
Business & Administration Complex "Mozayka"
Location: 8 Mozhaysky val St, Moscow
Number of Levels: 4+15
Total Area: 78 500 m^2
Assignments: Formwork & reinforcement drawings

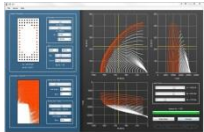**Master Work "Prestessed Industrial Hall"**
Location: Ada Huja, Belgrade
Number of Levels: 2+33
Total Area: 81 500 m^2
Assignments: BIM modeling, structural & dynamic analysis, formwork drawings

PROGRAMMING PROJECTS

CID – Column Interaction Diagram
Language: C# & XAML
Purpose: Dimensioning of columns subjected to biaxial bending and axial force

DBPunch
Language: C#
Purpose: Calculation of slab punching resistance
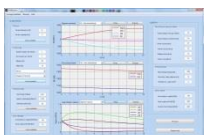

BASA
Language: Visual Basic (VBA)
Purpose: Beam & Slab dimensioning

Oplatex
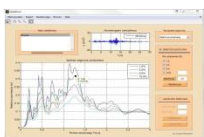*Language*: Visual Basic (VBA)
Purpose: Automatization of formwork drawing process

PNBMaster
Language: Matlab
Purpose: Dimensioning and optimization of prestressed I-shaped beams

Spektrum
Language: Matlab
Purpose: Dynamic response calculations

For more information about my skills, interests and project I was involved in please visit my web page: dusanbiocanin.com