

# Zvonko Vugreshek

Architecture student & Technologist

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📍 Skopje

🌐 Croatian, Macedonian

📅 1993-07-19



Sculpting imagination through code and digital design



## Experience

2017-07

### Computational design team member

*DesignMorphine*

Member of a team of 5 building a 1:1 pavilion exploring kinetic motion on FabFest 2017 in London, UK.

2017-01

### Organiser & Assistant tutor

*DesignMorphine*

Intensive course "Parametric Furniture design with Rhino & Grasshopper v1.0" in Skopje, Macedonia.

2016-12

### Assistant tutor

*University ss. "Cyril & Methodius" Skopje, Faculty of Architecture*

Parametric design & Digital Fabrication workshop "(Re)nest". 1:1 whose outcomes were Waffle structure nests with motion sensor lights.

2016-09

### Computational design team member

*University of Applied Arts, Vienna, Austria*

Spatial installation "Robotic Contouring" in the university atrium (Angewandte Architecture Challenge)

2016-07

### Computational design team member

*DesignMorphine*

Proposal exhibition stand for ETEM & Elval Colour for the BAU 2017 in Munich. Won second place.

2015-06 - 2015-09

### Intern

*Kontinental Inzenering dooel, Skopje*

Field & surveillance work, making 3D models and visualizations for project proposals. Got 70% of the projects.



## Education

2012-09 - 2017-06

### Ss. Cyril and Methodius University Skopje - Master of Architecture

Integrated Architectural Studies (Bachelor+Master)



## Languages

Macedonian & Ex-Yugoslav Languages

●●●●● Native

English

●●●●● Fluent

German

●●●●● Average



## Skills

- Architectural Design with CAD / BIM
- 3D modelling / Rendering / Visualisation
- Computational / Parametric Design
- 3D printing / Digital Fabrication / Prototyping



## Software

- AutoCAD ●●●●●
- Revit (+ Dynamo) ●●●●●  
revit > dynamo
- Rhino (+ Grasshopper) ●●●●●  
grasshopper > rhino
- Adobe Suite (Ps + Ai + Indd) ●●●●●
- 3DS Max (+ Vray) ●●●●●●
- Archicad ●●●●●●
- Maya ●●●●●●



## Publications

- Etem.bg: Zvonko Vugreshek, Ivan Bonev, Hristina Kamenova - Hedgehog Pavilion (in bulgarian) - <https://goo.gl/QvbwWx>
- "Kurier" Newspaper, Austria: "Angewandte Architecture Challenge 2016" - Robotic Contouring - <https://goo.gl/PDWHva>
- "Angewandte Architecture Challenge 2016" - Robotic Contouring official poster - <https://goo.gl/vIVwWB>



## Workshop & Project Participations

- 2014-09 ● Skopje Creative Hub - The Bicycle Urbanism Unit - Skopje, Macedonia
- 2015-07 ● Parametric & Generative Workshop - Generative Morphologies v.2 - Sofia, Bulgaria
- 2016-02 ● Computation & Digital Fabrication Workshop - Computation Matters v.1 - Sofia, Bulgaria
- 2016-07 ● Computation & Digital Fabrication Workshop - Intelligent Tectonics v.1 - Sofia, Bulgaria
- 2016-09 ● Die Angewandte Architecture Challenge - Robotic Contouring - Vienna, Austria
- 2017-02 ● Parametric Detailing Workshop - Correlated intricacies v.1 - Sofia, Bulgaria