

YOAV RONAT Architecture & Computational Design Manager

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Availability 1-2 Month Notice



Profile

Multi-disciplinary design manager with all-around experience in project delivery. From concept design and client-facing roles to construction and project management. Entrepreneur with experience in consulting and educating computational design processes.

Passionate about the intersection of design, architecture, and technology. Aspires to achieve sustainability through advanced design techniques and digital fabrication tools, to enhance human wellbeing through the modern built environment.

Work experience

R&D Architect & Computational Designer 11/2022 – Present
Derman Verbakel Architecture - Specializing in Urbanism (TLV)

- Leading the Research and Development of advanced computational design tools for significant and cutting-edge urban planning and design schemes.
- Developing processes for environmental analysis in early design phases of urban planning schemes.

Design Manager 11/2018 - 01/2022
Labs London – Workplace & hospitality development company (LDN)

- Design, manage and deliver fit-out projects in central London, from inception to completion. Including direct liaison with clients, consultants, and contractors: operating budgets, work scopes, and contracts.
- Drive design and technical collaboration with stakeholders and other external parties to ensure the integrity of the overall product.
- Design-related business strategy team member including sales, operations, IT, procurement and finance, focusing on improving the quality and efficiency of the product through data analysis.
- Initiated and managed the process of implementing BIM technology and computational design automation tools in the company.
- Developed and executed the company's design-related work standards, processes and user experience.

Product & Computational Design Consultant 11/2016 – Present
Freelance (TLV, LDN, NYC)

- Provide product design services and consultancy to various internationally-recognized individuals in the fields of architecture, industrial, fashion and exhibition design.
- Design and fabricate innovative digital/physical products using visual programming platforms and programmable micro-controllers (Grasshopper, Arduino, Python).

Architectural & Computational Design Lead 10/2014 – 11/2018
Kimmel Eshkolot Architects – Award-winning design firm (TLV)

- Design-team member in various prestigious projects in the fields of public buildings, education centers, luxury residential, student dorms, workplaces and city planning.
- Led the computational and parametric design aspects of the firm's most innovative projects.
- Head of IT, computer acquisitions and software integration.

Skills (0-5)

3D modeling	Rhino3D (5), Sketchup (4)
BIM/Cad drafting	Revit (4), Autocad (4)
Parametric design	Gh (5), Py (2), Dyn (2)
Visualization	V-Ray render (3)
Graphics	Adobe Ps (4), Id (4), Ai (2)
Project management	Asana (3), Excel (2)
Languages	English (full professional proficiency), Hebrew (native)

Exhibitions

Machine-Sheva 2018
Fresh paint Art fair (TLV)

An interactive installation for furniture design. In collaboration with architect Matan Loub.

Singing of Ascents 2017
Eretz Israel Museum's Planetarium (TLV)

An audio-visual installation. In collaboration with sound artist Yifeat Ziv.

The Human Parameter 2015
Zezeze gallery (TLV)

A group exhibition dedicated to parametric design. Curated by Ionatan Lazovski.

Awards

Senior thesis project nomination for the prestigious Azrieli excellence award for Israeli academic architecture projects in 2016, issued by the Azrieli Foundation of Israel.

Tel Aviv university best project of the year nomination for the Digital studio project in 2014, issued by the Shacar Ziv memorial foundation.

Awarded four certificates of excellence in Urban design, Residential, Digital design and Thesis project studios, issued by the David Azrieli School of Architecture.

Education

Part 3 (RIBA) Professional Practice Studies 2021
The Bartlett School of Architecture, London, UK

Bachelor of Architecture 2011 - 2016
The David Azrieli school of Architecture, Tel Aviv University, Israel.

Music composition studies 2009 - 2011
The Jerusalem Academy of Music and Dance, Israel.

Sound design & film music studies 2008
Sapir academic college, North of Negev, Israel.

Selected works

2018 - Present LabTech Investments Limited (LDN, UK)

Workplace & Hospitality:

1. Victoria House, London, UK.

7 Office floors, 2019-2021 (Completed), 141K sqft (13K Sqm).

- Riba stages 1-7 (Brief design to completion).
- Lead project architect.
- Space planning and programming.
- Concept design and business strategy program development.
- Supervised stage 4 tender design development.
- Supervised stage 5 design & build development.
- Supervised construction and coordination.
- Managed client design requests and special build.

For more info about LabTech Investments Limited:
<http://www.labs.com/>

2. Hawley Wharf, London, UK.

4 Office floors and GF reception, 2019 (Completed), 57K sqft (5.3K Sqm)

- Riba stages 2-5 (Concept design to construction).
- Lead architectural designer.
- Space planning and programming.
- Concept design and details development.
- Supervised stage 5 design & build development.
- Managed client design requests and special build.

3. 90 High Holborn, London, UK.

3 Office floors and GF reception, 2019 (Completed), 60K sqft (5.6K sqm)

- Riba stages 3-7. (Spatial design to completion)
- Lead architectural designer.
- Concept design and details development.
- Supervised stage 5 design & build development.
- Supervised construction and coordination.
- Managed client design requests and special build.

2014 - 2018 Kimmel Eshkolot Architects (TLV, IL)

Culture:

4. National Memorial on Mount Herzl, Jerusalem, Israel.

National Memorial Hall, completed in 2017, 32K sqft. (2.8K Sqm)

- Riba stages 4-5 (Tender to construction).
- Final stage computational design and fabrication preparations.
- Complex modeling solutions and detailing using Grasshopper3D.
- Designed and created shop drawings for various elements in the building.

Education:

5. Check Point Building, Tel Aviv, Israel.

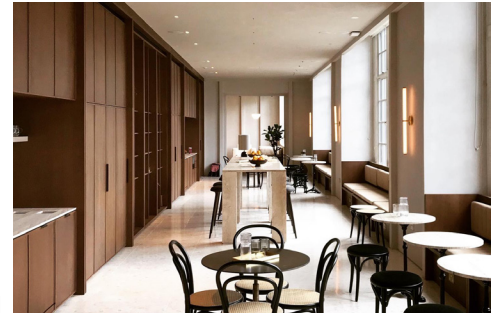
School of Computer Science and the Unit for Science Oriented Youth (Completed 11/2018), 65K sqft (6K Sqm).

- Riba stage 4 (Tender).
- Computational design and fabrication preparations for an innovative glass pixel facade envelope.
- Designed and executed work plans and shop drawings for various aspects of the building.

6. The Ben Gurion Research Institute, Sde Boker, Israel.

Academic institute in the desert, Competition 2018, 35K sqft (3.3K Sqm).

- Riba stages 1-2 (Brief to concept design).
- Concept design team member (layout design).
- Revit model manager.



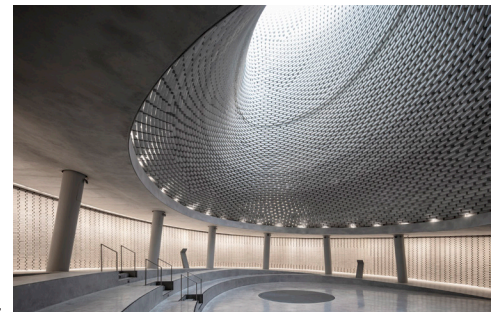
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6

Selected works

2014 - 2018 Kimmel Eshkolot Architects (TLV, IL)

Office:

7. Startup Nation Central, Tel Aviv, Israel.

7 floors of office interior design, Completed in 2018, 32K sqft (3K Sqm).

- Riba stages 4-7 (Tender to completion).
- Coordinated with MEP consultants, contractors, fabricators, building control and fire safety consultants to meet overall project objectives.
- Developed detail design stage 4 drawings for the tender package.
- Developed detail design stage 5 drawings for construction.
- Designed and documented joinery and ironmongery packages of all items across the project.
- Supervised and approved shop drawings for manufacture.
- Conducted site inspections during construction.



7

8. Ort Singalovsky HQ, Tel Aviv, Israel.

5 floors of office space on an educational campus, 70K sqft (6.5K Sqm).

- Riba stages 2-3 (Concept to spacial design).
- Developed general arrangement layout alternatives.
- Developed 3D mass studies and optimised site position.
- Participated in meetings with the council helping to develop the overall urban scheme.
- Produced CGIs and presentations for client and consultants meetings.
- Revit (BIM) model manager.



8

Residential:

9. Weizmann Institute of Science Student Housing, Rehovot, Israel.

Winning competition entry, 2018 (under development), 108K sqft (10K Sqm).

- Riba stages 1-3 (Brief to spatial design).
- Concept design team member (public spaces, interior design, mass and facade studies)
- Co-produced graphics presentations and 3D renderings.
- Stage 3 design development team member.
- Space planning and programming development with the client.
- Coordinated external consultants requirements and client objectives.
- Revit model manager.



9

10. The IDC student housing, Herzelia, Israel.

Large-scale student housing complex, Competition 2018, 108K sqft (10K Sqm).

- Riba stages 1-2 (Brief to concept design)
- Concept design team member (public spaces, interior design and complete 3D modeling).
- Co-produced graphics presentations and 3D renderings.
- Space planning and programming development following a clients' brief.



10

Urban design:

11. Kaplan North Masterplan, Tel Aviv, Israel.

Masterplan for an area of 215K sqft (20K Sqm) in Tel Aviv.

- Riba stage 3 (Spatial design).
- Design team member in charge of areas and building rights calculations, program and space planning alternatives, landscape and traffic consultancy coordinations.
- Participated in meetings and discussions with the council covering overall urban planning objectives.
- Developed general arrangements layout alternatives.
- Revit model manager.



11

For more info about Kimmel Eshkolot Architects:
<http://www.kimmel.co.il/>