

AYA RIAD



ARCHITECT DESIGN RESEARCHER EDUCATOR

Aya Riad is a computational architect, design researcher, and an educator. She has a masters in architecture and urbanism (Design Research Lab) from the renowned Architectural Association School of Architecture in London.

Her studio Shift+Space is positioned at the intersection of architecture, robotics, emergent technologies and art. Her work and research focuses on interactive, participatory design that begins from the person and expands to the surrounding environment.

EXPERIENCE

Fall 2020 - Present

TUTOR

AMERICAN UNIVERSITY IN CAIRO (AUC)

Cairo, Egypt

ARCH 4939: Advanced Architectural Computing

Preparing and teaching students Processing coding tutorials and broadening their perception of using emergent technologies towards achieving sustainable, smart models in architectural buildings.

05/2020 - Present

CO-FOUNDER / CHIEF ARCHITECT

SHIFT + SPACE DESIGN & RESEARCH

Dubai, UAE

An experimental studio integrating technology, robotics and AI in design and research.

02/2019 - 04/2020

ARCHITECT

CALLISON RTKL

Dubai, UAE

Responsible for Concept and Schematic Designs.

2019 - PRESENT

EXTERNAL JURER

DUBAI INSTITUTE OF DESIGN & INNOVATION (DIDI)

Dubai, UAE

Member of the Jury Panel for students' projects presentations.

03/2018 - 02/2019

JUNIOR ARCHITECT

VIKTOR UDZENIJA ARCHITECTURE +DESIGN

Dubai, UAE

Responsible for Concept and Detailed Designs.

2017 - 2019

TEACHING ASSISTANT & COORDINATOR

ARCHITECTURE ASSOCIATION VISITING SCHOOL

Dubai, UAE

Member of the teaching board and the organizational team.

2017 - 2018

ARCHITECT/TEACHING BOARD

MIDDLE EAST DESIGN NETWORK/LAB (MEAN/MEAL)

Dubai, UAE

Collaborative body for Experimental work, Research & Teaching.

06/2014 - 07/2015

JUNIOR ARCHITECT

STYLE DESIGN

Cairo, Egypt

Responsible for creating visualizations and renderings.

EDUCATION

2015-2017

M.ARCH DESIGN RESEARCH LAB (DRL)

ARCHITECTURE ASSOCIATION SCHOOL OF ARCHITECTURE
London, UK

Exploring soft robotics in self-assembly architectural systems.

2015

EXPOCITY 2020 - ACCELERATING PROCESSES

ARCHITECTURE ASSOCIATION VISITING SCHOOL
Dubai, UAE

Design and fabrication with digital tools & robotics.

2009-2014

B.SC ARCHITECTURAL ENGINEERING

THE AMERICAN UNIVERSITY IN CAIRO (AUC)

Cairo, Egypt

GPA: 3.6/4.0 (High Honors). Academic Achievement Scholarship.

2013

ACTIVE BUILDINGS-ACTIVE CITIES SUMMER SCHOOL

TECHNISCHE UNIVERSITÄT DARMSTADT (TUD)
Darmstadt, Germany

Workshop focusing on environmental urban solutions.

2013

AFRICA RE:LOAD WORKSHOP BY ICEBAUHAUS

BAUHAUS UNIVERSITY

Wiemar, Germany

Workshop focusing on sustainable solutions in African countries.

2009

A-LEVELS (BRITISH SYSTEM)

INTERNATIONAL COMMUNITY SCHOOL

Abu Dhabi, UAE

Biology and Maths: top score (A). Exemplary Student Award.

2007-2008

IGCSE O-LEVELS (BRITISH SYSTEM)

AL NAHDA NATIONAL SCHOOL

Abu Dhabi, UAE

Biology, Chemistry, Physics, Maths, Sociology, Accounting, Business and English: 8 A*'s (top score).

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TECHNICAL SKILLS

| | |
|-------------------|--|
| Microsoft Office | ██ |
| Photoshop | ██ |
| Illustrator | ██ |
| InDesign | ██ |
| After Effects | ██████████████████████████████████████ |
| Premiere Pro | ██████████████████████████████████████ |
| Rhinoceros | ██ |
| Grasshopper | ██ |
| Google Sketchup | ██ |
| AutoCAD | ██ |
| Revit | ██████████████████████████████████████ |
| Maya | ██████████████████████████████████████ |
| 3DSmax | ██████████████████████████████████████ |
| Vray | ██████████████████████████████████████ |
| Blender | ██████████████████████████████████████ |
| Processing (Java) | ██████████████████████████████████████ |
| Visual Studio C++ | ██████████████████████████████████████ |
| Python | ██████████████████████████████████████ |
| Arduino | ██████████████████████████████████████ |
| Unity 3D | ██████████████████████████████████████ |
| Unreal Engine | ██████████████████████████████████████ |

FABRICATION

| | |
|---------------|--|
| Laser cutting | ██ |
| 3D printing | ██ |
| CNC milling | ██ |

REFERENCES



Theodore Spyropoulos

Masters Advisor & DRL program Director
Architecture Association, London
Email: theospyropoulos@googlemail.com



Steven Greenberg

Director, AIA, LEED AP
CallisonRTKL, Dubai
Email: steven.greenberg@crtkl.com

LANGUAGES

Arabic

First language

English

IELTS score 8.0

French

Diplôme d'études en langue française (DELF), level A2

AWARDS

Scriptathon Design Award

AUTODESK

High Honors Award

THE AMERICAN UNIVERSITY IN CAIRO (AUC)

Best Internal Public Relations Member

INTERNATIONAL STUDENTS' LEADERSHIP CONFERENCE (ISLC)

Exemplary Student Award

INTERNATIONAL COMMUNITY SCHOOL

PERSONAL INTERESTS



Travelling



Painting



Model making

CONTACT



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