

Ramy AbdAlatif Bakir (PhD)

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Villa 13 Sharara Residential Compound, El Shaheed Mahmoud Esmat Hamdy St.
Sheraton Heliopolis Residences, Cairo, Egypt.

Personal Profile

- Date Of Birth : 22 / 5 / 1982
- Nationality : Egyptian
- Military Status : Exempted
- Marital Status : Married

Objective

- Seeking an Academic position in a unique school of architecture where my experience in both academia and practice would be of benefit, while being an active member of its faculty to increase both my personal knowledge and that of the students, towards producing exceptional designs, and outstanding architectural minds.

Education

- Doctor of Philosophy in Architecture
Architectural Department, Engineering Faculty, Ain Shams University, May, 2016
GPA: 3.68
Thesis Title: "The Impact of Nanotechnology on the Environmental Design Process in Egypt"
- Master of Science in Architecture
Architectural Department, Engineering Faculty, Ain Shams University, September 2011
Thesis Title: "Impact of Nanotechnology on Building Technology"
- Bachelor of Engineering
Architectural Department (Design) , Ain Shams University, June 2004
Grade: Very Good (B)
Graduation Project grade: Excellent (A) ("Star Trek" Astronomy Museum)
- Secondary School "Thanaweya Aamah"
BBC International Language School , Cairo, June 1999
Scored: (94.75%)

Courses

- 6-Hours Course for ArchiCAD 9 Update (30-11-2004)
- Art-Lantis (27-7-2004)
- 3D Studio Max (29-9-2002)
- ArchiCAD (10-4-2002)

Computer Skills

- Architectural Design:
AutoCAD
ArchiCAD
- Presentation and Animation:
3D Studio Max (VRay Engine)
Art-Lantis
PlotMaker
- Design :
Adobe PhotoShop
Corel DRAW
- Web Design:
HTML Language
MacroMedia DreamWeaver
- Platforms :
Windows 95/98/Me/2000 (Server / Professional) / XP/ 2007
- Microsoft Office 97/2000/XP/2007

Languages

- Arabic : Mother tongue
- English : Fluent (Written & Spoken)
- German : Fair

Academic Experience & Publications

- 1-2-2014 till now



Arab Academy for Science and Technology and Maritime Transport

- Full time Instructor, and participated in the following:
 - Instructor for the course **“DESIGN 2”** for. The course is involved in allowing the students to explore the relationship of Architecture with its context. The course dealt with the following projects:
 - **“Urban Center”** with a concept derived from the in-between site of lying between Downtown Cairo, and Bolaq, in Cairo, Egypt.
 - Teaching Assistant for the course **“Execution Design 3”**
 - Teaching Assistant for the course **“Int. to City & Reg. Planning”**

- 13-11-2013 till 28-1-2014



Housing & Building National Research Center

- Accepted paper with the title: ***“Nanotechnology and Architecture: An Optimized Design Process Model (ODPM)”***, after abstract acceptance. The paper discusses the necessity of optimizing a design process to be able to harvest the potential benefits of Nanotechnology more efficiently.

- 30-9-2011 till now



Ain Shams University, Architectural Department

- Preparing thesis with the title; ***“Impact of Nanotechnology on the Environmental Design Process in Egypt”***, for the partial fulfillment of the requirements for the degree of Doctor in Philosophy in Architecture. The thesis aims to understand the relationship arising between Nanotechnology and the environmental design process, specifically in Egypt.

- 23-6-2013 and 24-6-2013



Building Simulation Conference Cairo 2013

- Presented published paper with title: ***“Impact of Nanotechnology on the Environmental Design Process”***

- 25-9-2011 till 31-1-2014



Arab Academy for Science and Technology and Maritime Transport

- Adjunct Instructor for the Course: **“DESIGN 2”** for a period of 4 semesters. The course is involved in allowing the students to explore the relationship of Architecture with its context. The course dealt with the following projects:
 - **“Charity Organization”** with a concept derived from the site of “DAR AL SALAM”, in Al-Maadi.
 - **“Cultural Center”** with constraints derived from the site of “Basilica Church”, in Heliopolis.
 - **“Commercial Center”** with a main constraint derived from the site of “Al Sultan Hassan Mosque”.
 - **“School of Architecture”** with design objectives derived from the site of “Masaken Sheraton”, in Heliopolis.
 - **“Architect’s Hub”** with design objectives derived from the site of “Down-town”, Cairo, Egypt.

- 1-11-2006 till 20-7-2011



Ain Shams University, Architectural Department

- Attained degree of Master of Science in Architecture, and prepared thesis with the title; ***“Impact of Nanotechnology on Building Technology”***. The thesis explains and classifies the different applications Nanotechnology offers the field of building technology, and accordingly explores how it will affect the trend and style of Architecture.

- 28-8-2010 till 21-12-2013



American University in Cairo

- Adjunct Teaching Assistant for the course: **“DESIGN 4: 454”** for 9 semesters. The course is involved in the exploring the relationship between Architectural Design and Structure, and also works with human-scale cardboard models. The course has dealt with the following projects:
 - **“Info Pavilion for Bionic Research”**, with a concept statement inspired by nature,
 - **“Hall of the People”**, with a concept statement inspired by literary text,
 - **“Jan. 25th Revolution Exhibition”**, with a concept statement inspired by the events of the Egyptian Revolution,
 - **“Gallery of Structural Systems”**, with a concept statement inspired from structural systems,
 - **“Exhibition of the Egyptian”**. with a concept statement inspired by the different facets of the Egyptian Identity,
 - **“AUC Department of Architecture”**, with a concept statement inspired by the AUC student

identity,

- **“Structure Info Pavilion”**, with a concept statement inspired by 4 different structural systems,
- **“City Core”**, with a concept statement inspired by the book Rethinking Architecture,
- **“Jury Space”**, with a concept statement inspired by the students’ understanding of the Jury.

- 19-2-2005 till 5-6-2011



Arab Academy for Science and Technology and Maritime Transport

- Tutor Assistant for the Course: **“DESIGN 4”** where the course was involved in designing a **“Hospice”**, with a concept derived from Human Needs.
- Tutor Assistant for the subject: **“DESIGN 6”** where the course was involved in designing a **“Neighborhood Library”**, with a concept derived from natural phenomena.
- Tutor Assistant for the subject: **“DESIGN 3”** where the course was involved in designing an **“Info Pavilion For Bionics Research”**, also the course was involved in real size Cardboard booth modeling.
- Tutor Assistant for the subject: **“DESIGN 6”** where the course was involved in designing a **“Desert Institute”**, following several preset key Ideas.
- Tutor Assistant for the subject: **“DESIGN 3”** where the course was involved in designing a **“Bus Stop”** to be located in several cities of Egypt following concepts derived from its context, also the course was involved in real size Cardboard booth modeling.
- Tutor Assistant for the Course: **“BUILDING 4”** where the course was involved teaching the students the production of working drawings.
- Tutor Assistant for the subject: **“BUILDING 3”** where the course is involved in developing the students’ abilities in the preparation and development of Execution drawings through submitting the required drawings for the execution of architectural elements and details such as spiral staircases , windows and doors.
- Tutor Assistant for the subject: **“DESIGN 3”** where the course was involved in designing an **“Architectural Annex for the AAST Engineering Building”**, also the course was involved in real size Cardboard furniture modeling.
- Tutor Assistant for the subject: **“Execution 3”** where the course was involved in developing the students’ abilities in the preparation and development of working and workshop drawings through submitting the required drawings for the execution of a Conference Center, and all its different spaces.
- Tutor Assistant for the subject: **“DESIGN 6”**, the course was involved in designing; **“The Ministry of State for Environmental Affairs”** in New Cairo City, Egypt.
- Tutor Assistant for the subject: **“DESIGN 3”**, the course was involved in designing a **“Sculptural Museum”**, in Jazeerat El Dahab, also the course was involved in real size Cardboard modeling for residential furniture pieces.
- Tutor Assistant for the subject: **“VISUAL 2”** , the course was involved in teaching Perspective, Shade and Shadow.

Activities

- 27-11-2013 till 3-2-2014

National Organization for Urban Harmony (Biennale Competition)

- Received Honorary Award for team entry for the proposal for the competition held for the Egyptian National Pavilion for the 14th International Architecture Exhibition in Venice.

- 9-1-2013 till 5-3-2013



American University in Cairo

- Participated in the workshop involved with the 1:1 model making of the AUC Solar decathlon Europe entry, and the logistics of transporting it to China.

- 11-11-2012 till 15-1-2013



Collage Competitions: “Post+: Capitalist City”

- Participated with a design team to prepare the entry “The Post-Capitalist Globe” for the section of “Live” of the competition, proposing an urban vision of a post capitalist world.

- 8-12-2012 till 16-12-2012



Arab Academy for Science and Technology and Maritime Transport

- Participated and helped prepare for a **“1-day-workshop”** for the AAST students that allowed for groups to try out different modes of panel presentation.

- 4-12-2012



Assuit University, Architectural Department

- Invited by department to give a lecture to the department with a title “**How is Nanotechnology Affecting Architecture?**”

- 2-11-2012 till 23-11-2012



Arab Academy for Science and Technology and Maritime Transport

- Participated in a “**3-week-workshop**” involved in the experimentation with plastic water bottles, aiming to design and build a booth out of the components of empty bottles only.

- 28-4-2012



Assuit University, Architectural Department

- Wrote article with the title “**Introduction to Nanotechnology**” for Department Magazine.

- 5-5-2010 till 2-6-2010



Rhimal Design

- Contributed through the supervision over the design and the execution of furniture pieces made out of cardboard for the “**Cardboard House**”; a booth in the World Environment Day Convention held in “Al-Azhar Park”, Cairo, Egypt.

- 4-12-2009 till 20-12-2009



Arab Academy for Science and Technology and Maritime Transport

- Participated in a “3-week-workshop” involved in the design of pavilions inspired by the different bodily senses when enticed by a natural context.

- 28-1-2008 5-10-2011



MAGAZ Magazine

- Participated in the initiation of the Magazine, and in several Editorial board tasks, website design and management responsibilities.
- Acted as contributor to MAGAZ Magazine, in the Book Review and Articles sections with several articles:
 - “**The Norwegian Opera House**” issue 203, telling the story of the Oslo Opera House.
 - “**Codatronca**”, issue 104, Article reviewing the new racer car Codatronca
 - “**Green Olympics**”, issue 104, analyzing the environmental solution in the “Water Cube”
 - “**Innovating LEGO**”, issue 104, exploring the methods by which LEGO remaining on top of their game,
 - “**Masdar: From the Source to the World**”, issue 102, covering the environmental aspects of the City of Masdar
 - “**Back to BedZED**” issue 104, an article revisiting BedZED a decade after its construction.
 - “**Nano Materials in Design**”, issue 103, a book review of “Nano Materials in Architecture, Interior Architecture, and design.
 - “**Library on a Hill**”, issue 103, covering the socio-cultural impact of Bibliotheca Parque Espana
 - “**Matrix Reality**”. Issue 102, covering the story of bringing to life the game “Assassins Creed”.
 - “**Lonely Table: Just for one**”, issue 101, a short discussing the idea of leftover design products.

- 13-8-2007 till 9-9-2007



Al-Darb Al-Ahmar Community Development Company.

- Participated in the preparation of and the supervision of the activities of a workshop for teenagers within the program of development of “Al-Darb Al-Ahmar” in Cairo, under the auspices of the Aga Khan Trust for culture Initiative, the course objective was to explore potentials of approaching a common problem from an unconventional approach using “out of the box methods”, through designing products out of litter.

- 28-5-2007 till 26-7-2007



iEARN 14th annual International Conference & 11th Youth Summit.

- Participated in the preparations and supervision required for furniture making out of cardboard for the iEARN 14th annual International Conference & 11th Youth Summit.

Professional Experience

- 8-5-2011 till 17-6-2013



Rhimal Design

- Supervised and managed as Design Partner and Principal the Architectural Design of the Jebel Barkal Resort and Community Park in Sudan.
- Carrying out as Design Partner and Principal the Interior Design services for the model room of the Jebel Barkal Resort and Community Park in Sudan.

- 23-5-2009 till now



ASAS (Architectural Services & Advanced Solutions)

- Supervised and managed as a Partner and Principal the Architectural Design of several mid-size family buildings, Villas, a Shopping mall, and an Administrative building located in several cities in Egypt.
- Supervised and managed as a Partner and Principal the Interior Design of several apartments, Villas, and corporate offices located in several cities in Egypt.
- Supervised and managed as a Partner and Principal the contracting services for the finishing work needed for several residential and corporate projects in Egypt.

- 1-11-2008 till 21-5-2009

A&A - e.C A&A - e.CONSTRUCT

- Prepared the Architectural Design of Orascom's new Concrete products division "**CPD Office Building**"
- Supervised the preparation of the working drawings of the several mid and large-size office buildings
- Supervised the preparation of 5 large-sized ancillary buildings for the "**Al-Ein Al-Sokhna Power Plant Project**"
- Prepared the Project Analysis report for a mixed use building in Hurghada, Egypt, on a land parcel of 35,629 m².

- 4-11-2007 till 31-10-2008

e.construct e.CONSTRUCT

- Responsible for the Architectural Design and its Development for three Office Building in "**New Cairo City**".
- Worked on the Design Development of the "**e.Construct New Headquarters**" in "**New Cairo City**" as Senior Architect, where tasks required developing several environmental solutions in building.
- Worked on the interior design of several of the offices of "**e.Construct Old Headquarters**" in Heliopolis, Cairo, Egypt.

- 3-9-2007 till 5-10-2009

Free Lancing Project

- Working on the Architectural Design of a three storey high "**Residential Building**" in Talae'e City with a foot print of 350 Squared Meters, on a plot of 1,370 squared meters.

- 24-9-2007 till 5-11-2007

Free Lancing Project

- Worked with partner on the Architectural "**Avant Projet**" for an Apartment Hotel of a footprint of 10,000 squared meters on a plot of 40,000 squared meters, located in Hurghada, Egypt. The apartment hotel comprises of 5 stories consisting of studios meant for tourists' residences.

- 1-5-2006 till 1-11-2007



DIAA CONSULT (Engineering Consulting and Services)

- Administrative, and management positions in the "**Nile Hilton Hotel Renovation and Development Project**", in Cairo, Egypt. Also handled all coordination tasks between Interior Designer firm abroad (H.B.A) and Hotel Management Company.
- Coordination, administrative, and management positions in the "**New Mövenpick Hotel**" in Elephantine Island, Aswan, Egypt.
- Participated in the Preparation of the Execution drawings of "**Al Othaim Shopping Mall**" in Al Damam, KSA.
- Prepared the Architectural Design, Execution Drawings and Listing and calculations for an Electronic Truck Weighing Bridge in South Sinai, Egypt.
- Prepared the As-built drawings of the elevations of an administrative building in "**Cairo Club**", Giza, Egypt.

- 5-2-2007 till 17-5-2007

Free Lancing Project

- Worked with partner on the Architectural Design and the Interior Design of a 640 Squared meters "**Villa**" in Ahmad Oraby District.

- 25-2-2007 till 8-3-2007

Free Lancing Project

- Worked with partner on the Architectural Design of a three storey high "**Residential Building**" in Obour City with a foot print of 320 Squared Meters, on a plot of 600 squared meters.

- 25-12-2004 till 24-4-2006

Free Lancing Projects

- Prepared with partner the Architectural Design, Interior design, and Execution Drawings. Also Supervised all Site Work of a "**Residential Duplex**" in "Sheraton Heliopolis Residential District".

- 7-4-2005 till 26-4-2006
Free Lancing Projects
 - Worked on the Interior Design of the apartment “**Mohammad Ahmad Home**” in Helliopolis, Cairo, Egypt.

- 1-9-2005 till 6-10-2005



DIAA CONSULT Engineering Consulting and Services.

- Participated in the Architectural Design of the “**Sharjah Maternal Hospital**” in Sharjah, Emirates.

- 15-1-2005 till 20-8-2005



I.D.E.A Center of Integrated Design and Ecological Architecture

- Organizing and participating in the Upgrading projects of five “**Rural villages in the governorate of Mounofia**”, part of the Master Development Project of rural areas in Egypt, under the auspices of the General Organization for Physical Planning.
- Worked on both the Architectural and Working drawings of the first prize winning project of the competition held in Port Saeed for designing a new “**Cultural and Recreational Center**”.
- Participated in Designing the Interior design of the Theater in the same project.
- Worked on the Preliminary Design (Avant Projet) for two “**Commercial & Entertainment Centers**” in Kuwait.
- Also Participated in the Architectural Design of several other “**Residential Buildings**” and Villas in “New Cairo”.

- 8-8-2004 to 3-2-2005



Dar 2000 Architectural and Interior Contracting

- Positioned for the Site Supervision of a Villa in “**Arabella Park**” in “**New Cairo City**”.
- Worked on the Landscape Design of a Villa in “**Arabella Park**” in **New Cairo City**.
- Worked on the Design of a four storey “**Office Building**” in the **Fifth District**.
- Prepared full sets of Execution Drawings for two “**Apartments**” in **Maadi City**.
- Complete calculations and Element Listing for the same two apartments.
- Worked on three Complete “As Built” Drawings for three different projects in **Maadi City**.

- 23-10-2004 to 4-11-2004

Free Lancing Projects

- Worked with partner on the re-design of Elevations of a “**Shopping Mall**” in the **Sixth of October City**.

Internship

- 3-8-2003 to 4-9-2003

Emak Marsa Alam For Tourist Development & Urban Investment S.A.E.

- Worked on the design of the General Layouts of the main tourist Villages in **Marsa Alam** by the Red Sea.
- Worked on the Architectural Designs of two of **Emak** Projects, in **Marsa Alam** by the Red Sea.

- 4-8-2002 to 1-9-2002

OCTOBER For Development & Real Estate Investment Co. S.A.E.

- Participated in the Design Development of several Residential Units in “**Nassa'em City**” Project in the **Sixth of October**.
- Attended Site Work in “**Nassa'em City**” Project.

- 1-7-2001 to 5-8-2001

OCTOBER For Development & Real Estate Investment Co. S.A.E.

- Worked on, and revised the Working, and Workshop Drawings of “**Hada'ek Embabah Al Mo'alakah**” Project which included (9) Residential Towers, a Mall and an Underground Parking Area.

- 2-7-2000 to 30-7-2000

OCTOBER For Development & Real Estate Investment Co. S.A.E.

- Assigned in the “**Nassa'em City**” Project for both site and drafting responsibilities.

References

- References will be available upon request.