

Address: 70 Pacific Street, Apt# 494B, Cambridge, MA 02139
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Dina El-Zanfaly

EDUCATION

- **Master of Science in Architecture Studies (SMArchS),** Sept 2009 – May 2011
Design and Computation Group,
School of architecture and Planning,
Massachusetts Institute of Technology.

GPA of three Semesters: 4.8/5
- **Master of Science in Architecture,** Sept 2006 – July 2009
Faculty of Engineering,
University of Alexandria, Egypt.

An algorithmic approach to digital architectural design
A generative design system for modular housing

GPA: 3.77/4; With Honors, Top of class (28 students)
- **Bachelor of Science in Architecture,** Sept 2001 – June 2006
Faculty of Engineering,
University of Alexandria, Egypt.

Graduated first in class with honors
Graduation Project: Distinction (A+)

WORK EXPERIENCE

- **Research Assistant** Sept 2010 - Present
MIT Design lab, School of Architecture and Planning
Massachusetts Institute of Technology

Working on documenting and analyzing the Egyptian architecture in the period between 1940s and 1950. Digitizing some work presented in Al-Imarah, a famous magazine during that time. The work also includes archiving, translating into Arabic and French and transliterating of these articles. This work will be published in Archnet and the Harvard Fine Arts Library and the Rotch Library of MIT. www.archnet.org

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- **Research Assistant** Sept 2006 – July 2009
Department of Architecture, Faculty of Engineering,
University of Alexandria, Egypt.

Worked on design scripting with Mel (Maya Embedded Language) and the applicability of algorithmic design in a real-world architectural context; through designing and developing a UI of a generative system for modular housing arrangements.

- **Assistant lecturer** Sept 2006 – July 2009
Department of Architecture, Faculty of Engineering,
University of Alexandria, Egypt.

Started as a teaching assistant then an assistant lecturer. Assisted in teaching several undergraduate courses, including the final year design studio and the graduation project studio, teaching various graphics and modeling softwares including Autodesk Autocad, 3D Studio Max and Adobe Photoshop. Tasks included giving assistance to students in Studios, guiding learning, prompting ideas, questioning understanding, and stimulating thinking.

- **Junior Architect** Aug 2006 – Feb 2009
• Omran for Architectural and Urban Studies and Designs
Alexandria, Egypt.

Having responsibility of Projects related to Heritage & Modernity, housing and Urban Spaces. Involved in Projects analysis, reports and architectural design and planning. Leading design teams in architecture and urban planning competitions. Design Assistant, and Graphic presentation (AutoCAD, 3DMAX, Adobe Photoshop). Client meetings and presentations.

- **Junior Architect** July 2006 – Dec 2006
• Egyptian house for architecture and planning
Alexandria, Egypt.

Design assistant in an urban development project for Egyptian villages. Design Assistant, and Graphic presentation (AutoCAD, 3DMAX, Adobe Photoshop).

Intern

Summers of 2001 –2006

- Egyptian house for architecture and planning
- Al Sayad Firm for Design and planning.
- Al-Adawi and Bastawisi Firm.
- San Stefano Construction Site
Alexandria, Egypt.

Design development, construction documentation. Museum conservation and renovations. Interior design. Computer models. Prepared working drawings (plans, elevation, sections and details). Site Engineer in hi-rise multi usage building.

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SELECTED DESIGN PROJECTS

2008

- Pirarie Residential Compound, Egypt
- Al Bwardy Residential Compound, Kingdom of Saudi Arabia
- Az-Zawyah in Zwarah, Libya (District planning).
- Renovation and development of Old Cairo Street (El-Moez Street)

2007

- KFUPM, Design Concept (A park for King Fahd University for petroleum & minerals in KSA)
- New Alexandria competition.
- Al Buraydah project (Urban planning), KSA
- Renovation and development of Old Cairo Street (El-Moez Street)

2006

- Green Belt Project (Urban planning), KSA
- Renovation and development of Old Cairo Street (El-Moez Street)
- Urban development of Egyptian villages

HONORS AND AWARDS

- Tuition Fellowship award, School of Architecture and Planning, MIT. **2010**
- First place at the social Entrepreneurial workshop (Team Project). **2010**
- First on my class in Master of Science in architecture, Alexandria, Egypt. **2009**
- Fulbright grant to pursue graduate studies at an American university. **2008**
- First place in the National design competition of New Alexandria, Alexandria, Egypt **2008**
- (5 team members). **2007**
- Bachelor of Science in Architecture, Graduation with degree of Honor, First on my class. **2006**
- Best Graduation project Prize, Alexandria University, Egypt. **2006**
- First on Math section, El-Nasr Girl's College, High school, Egypt. **2006**

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PUBLICATIONS

- An algorithmic approach to digital architectural design, a generative design system for modular housing.
Master thesis, Alexandria University, Egypt.
- Design by Algorithms: A Generative Design system for Modular Housing Arrangement
Proceedings from The Iberoamerican Society of Digital Graphics conference (SIGRADI) 2009

COMPUTER SKILLS

Working knowledge of the following computer software:

- Parametric: Digital Project
- Programming languages:
Processing, Rhino Script, Mel (Maya embedded language), Visual basic and C Language.
- Eagle software for Electronic board Design.
- Computer Aided Design: AutoCAD / 3D Max/Maya/Revit/Rhino
- Adobe creative suite.

FABRICATION SKILLS

Working knowledge of the following machines:

- Electronic board milling and soldering.
- Vinyl cutter
- Laser Cutter
- CNC Machine
- Water Jet
- Welding
- Molding and casting
- Compositing creation
- Z Corp / 3D printing

LANGUAGES

- Arabic (Fluent)
- English (Fluent)
 - TOEFL (IBT) in December, 2008 - Score: 103
 - Local TOEFL (ITP) in 2008 - Score: 623
 - FCE from Cambridge in 2000 - First certificate in English
 - Language of instruction in the university is English (as a student and later as an instructor)
 - Taught all subjects in school (English school, E.G.C.) and University in English
- German (Fluent)
 - Language courses at Goethe Institute (C2), preparing for (ZOP)

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- Intensive course in Berlin, Germany, in summer 2008 (Scholarship from Goethe Institute, Egypt)
- The Goethe Certificate (C1) equal to TestDAF 4 (2008)
- The Goethe Certificate B2 equal to TestDAF 3 (2007)
- French (Proficient)
 - Second language in school after English