

Curriculum vitae

Yael Valerie Perez

Personal Information:

Current Address:

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Date of Birth: May 13th, 1972

Place of Birth: Brussels, Belgium

Nationality: European (French),
Israeli.

Web: <http://www.pyael.com>

Education:

University of California, Berkeley

PhD. Department of Architecture (Expected 2011).

Research interest: How technology can be used, to better present a place during the site analysis and in the early stages of design, to enhance place-sensitive-architecture.

Technion - Israel Institute of Technology, Haifa, Israel.

M.Sc. Master of Science in Architecture-Urban Design, Cum Laude.

Faculty of Architecture and Town Planning.

Thesis Title: "Climate and Energy Considerations in School Building Design in the Hot-Humid Climate of Israel's Coastal-Strip" (June, 2003).

Supervisors: Prof. Edna Shaviv and Dr. Guedi Capeluto.

B.Arch Faculty of Architecture and Town Planning. Awarded 5-Year Architecture Degree Cum Laude (June, 1998).

University of New South Wales, Sydney, New South Wales, Australia.

One Session at the Department of Architecture and Town Planning, Special International Exchange Program for Qualified Students (1997).

De-Shalit High-school, Rehovot, Israel.

Full Matriculation, Advanced Placement in Physics, Mathematics and Computer Science (1990).

Awards:

Winner of the Gerhard and Gertrude Karplus 2004 award, for Master Thesis. Faculty of Architecture and Town Planning, Technion, Israel Institute of Technology.

Relevant Professional Experience:

2005-2006 Tushita Meditation Center – Dharamkot Village, H.P. India.

Different design projects as a freelance Architect (now in fund-raising process):

- Master plan for the whole campus; Retreat accommodation for monks and nuns; New main Gompa (-Buddhist Temple) - a 3 stories building which include the Gompa, offices, a Yoga hall and a Puja room.

2004-2005 Didi Contractor, Rakar Village, H.P. India.

Mrs. Didi Contractor designs and constructs sustainable buildings in Dharamsala area from local materials and with environmental sensitivity.

- Following the construction of a private house built over a year.

2001-2003 The Environmental Simulation Laboratory (ESLab), Porter School for Environmental Studies, Tel-Aviv University, Israel.

- Research assistant. Responsible for the design and creation of a 3D computerized model of Tel-Aviv city and the suburbs, and use it as the base for 3D Schematic Models of Urban Regions and Urban Development used in different research-project.

2000-2001 The Society for the Protection of Nature in Israel (SPNI).

A special one-year Environmental Proficiency program, sponsoring one student chosen from each major university in Israel. The program includes theoretical discussions and lectures as well as practical work.

- Planning a proposal for a park in the town of Ness-Ziona as an alternative for unsustainable development there and with the public's participation
- Developing and presenting SPNI's goals for the planning of Metropolitan Recreation Zones.

2000 Professor Rivka Oxman, Faculty of Architecture and Town Planning, Technion, Haifa, Israel.

Research assistant, involved in the development of a case-based reasoning system.

- Analyzing different architectural precedents, categorizing them and their characteristics. Adding the precedents, testing the system and maintaining it.

2000 Professor Arza Churchman, Faculty of Architecture and Town Planning, Technion, Haifa, Israel.

- Research assistant doing literature reviews about social aspects: "Psychological aspects of high-rise housing" and "Housing quality in Israel and around the world".

1999-2000 I-Scraper.com, Israel. After Sales Department.

A high-tech company which developed a web-based management system to improve communication between all parties in construction projects.

- Account manager, responsible for the assimilation of the system among the different participants of big construction projects.
- Assisting the Quality Assurance team and advising the Development Department about new features needed.

1998–1999 SHACHAM- Computerized Engineering and Information Systems LTD, Jerusalem. Authorized Dealers of Autodesk.

- In charge of AutoCAD courses in the company. Planning and teaching different Autodesk software courses.
- Technology Assimilation Advisor – Visiting the different clients of the company, learning their working habits and advising them how to better use the different software and tools they have and to work more efficiently.
- Product Manager for Autodesk's Software (Architectural-Development-Desktop, Land-Development-Desktop, AutoCAD14, AutoCAD2000 and other related programs).
- In charge of software presentations and demonstrations to potential users as well as proficient clients.

1998 Lahav Rigg Architects and Town Planners, Jerusalem and Tel-Aviv, Israel.

An Architecture firm that combines environmental aspects in their practical planning.

Taking part in different stages of the following projects:

- "Ramot D" - Town planning project, new neighborhood plan in the city of Be'er-Sheva.
- "Ma'ale Edumim 07" - Town planning project for enlarging a district area.
- "Kiryat Hamemshala Be'er Sheva" - Government office building in the city of Be'er-Sheva.

1995 Engineering Department, Netanya City Council, Israel.

Service and Information Department.

- Checking construction applications submitted to the council.
- Giving information and explaining to citizen future approved projects in the city district.

Conference Presentations:

Perez Y. "Designing School Buildings to fit Tel-Aviv's Climate" (June, 2003). Education, Energy and Environment Conference, Interdisciplinary Center for Technological Analysis and Forecasting, Tel-Aviv University.

Perez Y. "Environmental Information in 3 Dimensional Simulations" (December 2001). Israel Geographical Association Conference. Tel-Aviv.

Conference Posters:

Perez Y. and Benenson I. (2002) "New Approach to 3D Thematic Mapping", Poster session, EURESCO Conference on Geovisualisation, Albufeira. Portugal.

Oxman Rivka E. and Perez Y. (2002) "On Winds", Poster session, Meital Conference on E-Learning, Technion, Israel.

Teaching Experience:

Teacher Assistant (Technion Institute of Technology):

- “CAD Systems for Drafting and Modeling in Architectural Design”: Comprehensive AutoCAD course, (2002).
- “Psychology for Architects”: Compulsory undergraduate course for architecture student (2002, 2001).
- “Climate, Energy and Architecture”: Compulsory undergraduate course (2001, 2000).
- “Computerized Information Systems: Web-based Design”: Graduate course (2001, 2000).

Instructor/Lecturer (SHACHAM LTD):

- Individual and group courses in AutoCAD14, Architectural Desktop, AutoCAD-LT and other programs for uninitiated as well as advanced users (1998-1999).

Mentor for children from a low socioeconomic background. Part of PERACH national project (1993-1996).

After-school tutor for high school students in mathematics and other matriculation subjects (1993).

Computer Skills:

Substantial experience with different software and programming languages to suite my progressive needs. This experience gives me a broad understanding of the way computer work and “think”, and helps me both to quickly learn new systems as well as to teach them to others.

- Extensive experience with **CAD, GIS, 3D-Visualization tools, HDS Software** (-High definition Surveying – Working with information coming from laser scans of building): Including but not limited to: AutoCAD2005-R12, 3ds-Max; Cyclone (Leica Geosystems); MultiGen Creator, Lynx and Vega; Microstation (Bentley); Datacad; Arcview and ArcInfo.
- Extensive experience with **Internet applications**: Web designing, Web programming (HTML, Java Script), and Content Management Systems (Drupal, Zen-Cart, osCommerce).
- Extensive experience with **picture and movie editor software**: Photoshop, Paintshop-Pro, Animation-Shop, Adobe Premier, Ulead Picture show, Ulead Video Studio.
- Experience with a variety of **operating systems**, including Windows, Unix, Linux, Novell.
- **C Language and Java programming**. Programming experience and some coursework including the development of a large-scale computer project in C.

Language Proficiencies:

Hebrew - Mother tongue;

French - Mother tongue;

English - Very good;

Italian – Good;

Hindi – Basic.

General:

- **Tour Guide.** Organizing special tours in north India, orientated in local Art and Architecture. Responsible for the planning and the Indian-side execution of the trips.
- **Social and Environmental Forum, the Israel Association of the United Architects (2002-2003).** A group of architects working together in their free time on issues related to environment and community. Among other issues, I was working on establishing a group of architects willing to give pro-bono services to individuals and communities who need professional planning assistance with environmental-planning problems.
- **Israel Eco-Rally.** Participant in the 1st Israeli cross country bicycle tour for environmental causes and ecological collaboration between Israelis and Palestinians. Initiated by "Life and Environment" organization and sponsored by the Israeli Ministry of the Environment and the National Geographic Channel (March 2002).
- **Volunteering in ETGARIM-** "Challenge - Israel outdoor sports and recreation association for the disabled". Riding tandem bicycles with blind people (2002-2003).
- **Mountain Bike, Road Bike, and Triathlon Competitor:** 1st place in Tel-Aviv Triathlon, July 2003; 3rd place in Israel's Road Biking Championship, June 2003; 2nd place in the Women Triathlon June 2002; 2nd place in Off-Road Triathlon June 2002; 1st place in the Golan Sprint Mountain Bike Competition, June 2001
- Two years **compulsory military service** in the Intelligence Corps (1990-1992)
- **Volunteering** in an orphanage for 4 years (1987-1991).