

PATRICK F. SPEAR

I am an OAA intern architect with a background in cognitive science and a focus on healthcare.

I have been trained in computer science, psychology, graphic design and, finally, spatial design- a unique mix of skills and interests very applicable to the design of healthcare facilities as the issues of technology, built space and the patient/caregiver experience continue to coalesce.

WORK EXPERIENCE

Intern Architect, Diamond Schmitt Architects: 2015-2019

Project Experience:

- **Royal Victoria Health Care Centre (RVH) Master Plan** - Barrie, Ontario
 - Complex multi-site, multi-phase master plan for RVH's next 20 years of operation.
 - Acted as project leader and prime designer, working with two project principals.
 - Responsible for development & evaluation of schemes evaluation to implement Master Program.
 - Responsible for data management, phasing, costing and all other matters applicable to master planning.
 - Presentations to client decision-making bodies and hospital-wide events.
 - Conducted user groups meetings to validate designs.
- **RVH MDRD Endoscope Reprocessing Room Project** - Barrie, Ontario
 - Development and construction of a dedicated endoscope reprocessing facility within RVH.
 - Responsible for design, construction documents, M&E coordination, equipment coordination, site reports.
- **RVH ED Redesign Project** - Barrie, Ontario
 - Schematic-level development of renovated ED to improve patient flow and department organization.
 - Responsible for development of schemes, presentation to client, development of presentation materials.
- **York University Markham Campus New Student Building** - Markham, Ontario
 - 11-storey multi-use building- classrooms, laboratories, library and public spaces.
 - Responsible for schematic design of laboratory floors.
 - Responsible for development and management of room data and FF&E lists.
- **Michael Garron Hospital (Contract)** – Toronto, Ontario
 - Responsible for continued design development of diagnostic imaging areas, public spaces and offices.
 - Responsible for conducting user group meetings.
 - Responsible for RDS/data management.
- **Michael Garron Hospital (Proposal)** – Toronto, Ontario
 - Proposal conducted as per IO's AFP process.
 - Responsible for clinical design of diagnostic imaging renovation areas, design of public spaces and design of office spaces.
 - Drawing production & Revit management.
 - Project data management

- **Groves Memorial Community Hospital (Proposal)** – Wellington County, Ontario
 - Proposal conducted as per IO's AFP process.
 - Responsible for clinical design of med/surgical IPU, obstetrics, CCU, day surgery, operative services, MDR, support spaces.
 - Conceptual design (with project Principal).
 - Responsible for PSOS compliance & drawing production.
 - Responsible for project data management.
- Currently establishing an office Healthcare Focus Group.

Intern Architect, Zeidler Partnership Architects: 2013-2015

Project Experience:

- **Peel Medical Centre (Proposal)** – Brampton, Ontario
 - Proposal conducted as per IO's AFP process.
 - Part of schematic design team
 - Clinical lead for Dialysis, Laboratory
 - Design lead for Phase 2 expansion
- **Mackenzie Vaughan Hospital (PDC)** – Vaughan, Ontario
 - ICAT Lead for PDC team - responsible for coordination between consultants, client and PDC in order to achieve a world-class Smart Hospital
 - Clinical lead for Perioperative Services, Laboratory, Pharmacy, Medical Device Reprocessing & Learning/Development
 - Additional work on Common Spaces, Room Data Sheet coordination, FF&E and writing of PSOS
- Promoted to office PSOS specialist for future healthcare projects

Intern Architect, Farrow Partnership Architects: 2008-2013

Selected Project Experience:

- E'Terra Samara Treehouses – Tobermory, Ontario
- Country Day School Senior School Expansion – King City, Ontario
- Worker's Hospital and Integrated Health Centre – Doha, Qatar
- Health Promoting Lifestyle Centre – South Africa
- Sherborne School – Doha, Qatar
- Kaplan Medical Center and Harzfeld Geriatric Hospital – Rehovot, Israel
- St. Mary's Hospital – Kelowna, British Columbia

WORK EXPERIENCE (CONTINUED)

Project Manager & Lead Designer, Centre for Innovation in Complex Care's Futureward Project: 2010-2014

- An extension of M.Arch Master's thesis project
- Further development of the Futureward thesis concept, with a focus on the construction of a prototype, working in conjunction with industry partners.

Manager of Graphic Design- Publishing & Copy Centre: 2005-2006

- Management of a copy center with a staff of 40 people
- Specific portfolio: running a studio of 6 graphic designers
- Responsible for coordinating clients requests, dealing with client concerns and looking for new ways to expand the business

EDUCATION & CERTIFICATIONS

Six Sigma Green Belt Certification

- Certification earned in January 2019

EDAC Certification – Center for Health Design, 2016

- Certification earned in January 2016

M.Arch – University of Toronto, 2007-2011

- **Thesis project:** investigation of the design of critical care rooms with respect to technology expected to become commonplace in the next 20 years.

B.ScH – Queen's University, 2001-2005

- **Major:** Cognitive science
- Thesis project: An Investigation of the Hebb Repeating Numbers Effect
- Awarded Nortel Networks Entrance Scholarship
- Dean's List, 2001-2005
- Class President, 2001-2003

Highschool Diploma – 1996-2001

- Valedictorian of graduation class

CONFERENCES & ASSOCIATIONS

- **Advisory Committee:** UHN OpenLab's NORC project, 2018-2019
- **Exhibitor:** Building for Wellness - Harbourfront Centre, Toronto, Winter 2014
- **Presenter:** Techna 2012: Information and Communication Technologies for Health Symposium – Toronto, October 2012
- **Speaker:** Quality Improvement and Patient Safety Conference – University of Toronto, May 2012
- **Speaker:** CICC's GIM Symposium – Toronto, June 2011
- **Attendee:** Architecture, Therapeutics, Aesthetics – University of Toronto, February 2010

SKILL & STRENGTHS

- Software skills: Revit, Rhino, dRofus, AutoCAD, Photoshop, Illustrator.
- Skilled at programming, scripting, and management of complex data systems.
- Analytical, solutions-oriented thinking
- Experienced in leading roles and team management.
- Comfortable with and experienced at public speaking.
- Diligent and organized.

REFERENCES

Available upon request