

# MICHAEL L. NILSON, PE, LEED AP

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## EDUCATION

### Stevens Institute of Technology

Master of Engineering (expected 12/2011)

Major: Civil Engineering Concentration: Water Resources Engineering

Hoboken, New Jersey

### Vesalius College, Vrije Universiteit Brussel

Semester-long study abroad program through Lafayette College.

Brussels, Belgium

### Lafayette College

Bachelor of Science with Honors

Major: Civil and Environmental Engineering

Minor: Mathematics

Honors Thesis: Quantified the effect of "green" building on the bottom line construction cost of Class A office towers (with support from Turner Construction and the Hearst Media Corporation).

Easton, Pennsylvania

## PROFESSIONAL TRAINING, LICENSES, AND CERTIFICATIONS

New York State Licensed Professional Engineer

January 2010

Amtrak On-Track Safety Training for Contractors

September 2009

MTA Long Island Railroad Roadway Worker Protection Training

September 2009

OSHA 10-hr Construction Safety & Health Training

July 2009

USGBC LEED Accredited Professional

June 2008

## PROFESSIONAL ENGINEERING EXPERIENCE

### Langan Engineering & Environmental Services, Inc, PC

New York, New York

Senior Staff Engineer

August 2005 to present

- Point-of-contact for clients, coordinating Langan services on projects in residential, institutional, retail, commercial and municipal sectors with construction values ranging from \$1Mil to \$2Bil.
- Lead design of civil engineering construction documents, prepare specifications, and perform construction administration / site inspections.
- Prepare permit applications for various local, state and federal agencies.
- Provide local hardware and software IT support for 100+ employees.
- Continually develop and deliver internal training and standards courses related to construction specifications, USGBC LEED rating system, AutoCAD, and various corporate IT services.
- Assist with the development and deployment of corporate CAD standards.

#### Representative Projects by Location:

Manhattan, NY

High Line Park, Hudson Rail Yards, Jacob K. Javits Convention Center Renovation & Expansion

Brooklyn, NY

Bushwick Inlet Park, FDNY CO Node, Remsen Avenue DEP Yard, York College Childcare Center

Queens, NY

Borden Foundry, The Shops at Atlas Park, DEP Amended Drainage Plan

Bronx, NY

Bronx River Greenway Infrastructure, River House at Starlight Park, New York Botanical Garden

Hempstead, NY

Hofstra University Pedestrian Bridge & Graduate Residence Hall

Other

Bluestone Data Center (Shelton, CT), Hotel Monaco Flood Damage Assessment (New Orleans, LA)

### A. James deBruin & Sons, LLP

Bethpage, New York

Resident Engineer

Summer 2003, Winter & Summer 2004, full time

- Prepared construction documents and performed inspection services for multi-million dollar municipal projects on Long Island.

#### Representative Projects:

Plainview-Old Bethpage Community Center (Town of Oyster Bay, NY), Barnum Isle Roadway Reconstruction

(Barnum Isle, NY), Four Ponds Dredging (Nassau County, NY), Sunrise Highway Streetscape

(Lynbrook, NY), Atlantic Beach Bridge Roadway Reconstruction (Atlantic Beach, NY)

**PROFESSIONAL ENGINEERING EXPERIENCE (CONTINUED)**

**Soil Mechanics Drilling Corp.**

**Seaford, New York**

Engineer's Assistant, Surveyor's Assistant

*Summers of 1999 through 2002 full time*

- Inspected helical pile installations, ran plate and pile load tests, surveyed borehole locations, and prepared payment requisitions.
- Assisted with Phase I environmental site assessments.

*Representative Projects:*

IKEA (Brooklyn, NY), Keyspan Energy (Staten Island, NY)

**OTHER EXPERIENCE**

**Lafayette College**

**Easton, Pennsylvania**

Student

*September 2003 to May 2005*

- Prepared design and presentations for a \$400,000 traffic calming and streetscape initiative which has been implemented.
- Prepared studies evaluating a \$500,000 funicular transport system for the College.

**Texas Instruments**

**Dallas, Texas**

Navigator Programmer

*February 2001 to July 2002*

- Created educational programs for the TI-Navigator™ Classroom Learning System.
- Introduced TI-Navigator™ to a national audience of educators at a National Council of Teachers of Mathematics conference in Orlando, Florida.
- Worked remotely from home and MacArthur High School (Levittown, NY), also travelled to TI's Dallas, TX headquarters for development meetings and collaboration.

**Micstar Entertainment**

**Wantagh, New York**

Owner / Operator

*January 1999 to December 2003*

- Started entertainment business, generated revenue.
- Provided disc jockey and trumpeting entertainment for events from block parties to weddings.

**PRESENTATIONS AND PUBLICATIONS**

Brandes, D., Cavallo, G.J., and M.L. Nilson, 2004. Baseflow trends in urbanizing watersheds across three physiographic provinces of the Delaware River basin. Volume 41 Issue 6, Pages 1377 - 1391, Journal of the American Water Resources Association.

Connally, E., Hughes-Hallett, D., Gleason, A., Cheifetz, P., Flath, D., Lock, P., Rhea, K., Avenoso, F., Swenson, C., Davidian, A., Lahme, B., Morris, J., Shure, P., Yoshiwara, K., and E. Marks. *Functions Modeling Change, Textbook and Student Solutions*. 2nd ed. Wiley, 2003. (M. Nilson, Contributor)

Meltzer, R., Nilson, M., and T. Ward, 2009. NYC - The New Economy. Workshop Presentation, Langan Engineering Land Development Workshop: New Brunswick, New Jersey.

Nilson, M., and D. Brandes, 2004. Long-term baseflow trends in urbanizing watersheds of the northeast U.S. Poster Presentation, American Water Resources Association Annual Conference: Orlando, Florida.

**HONOR SOCIETIES AND AWARDS**

Moles Student Award	2005
Carroll Phillips Bassett Prize	2005
Pi Mu Epsilon Mathematics Honor Society – Pennsylvania Tau Chapter	2005 Induction
Sigma Xi Scientific and Engineering Research Honor Society	2005 Induction
Tau Beta Pi Engineering Honor Society – Pennsylvania Epsilon Chapter	2004 Induction
Moles Student Award	

**PROFESSIONAL ASSOCIATION MEMBERSHIP**

Metropolitan Section, American Society of Civil Engineers	2005 – present
New York Chapter, United States Green Building Council	2005 – present
Young Real Estate Professionals of New York	2005 – present
American Society of Civil Engineers	2002 – present
National Society of Professional Engineers	2002 – present

**REFERENCES AVAILABLE UPON REQUEST**