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Degrees and Accreditations

May 2004 BLA, North Carolina State University (cum laude)
May 2009 LEED Accredited Professional
Sept 2009 NYC Citizen Pruner Certification

Professional Experience

August 2014 - Ongoing Principal, Apiary Studio - Brooklyn, NY & Philadelphia, PA
[www.apiary-studio.com]

Apiary Studio is a design and construction firm focused on the creation of rich and dynamic landscapes. We strive to develop beautiful spaces through meticulous craftsmanship, conscientious use of diverse and exciting plant species and innovative materials. Our services include: Landscape Design, Horticultural Consulting, Construction Services and Non Profit Consulting through Program Development and Grant Writing.

Feb 2013 - July 2014 Executive Director, Gowanus Canal Conservancy - Brooklyn, NY:
[www.gowanuscanalconservancy.org]

I have served as the senior staff member for the duration of my work at the Conservancy. Responsibilities include running the organization, fundraising, managing all capital projects and volunteer programs, strategic organizational planning and research. I answered directly to the Chairman and Board of Directors.

Grants & Institutional Fundraising:

- + \$149K - USFS & NFWF - Bioswale Maintenance Certification program
- + \$100K - NYC Council capital funding - 2nd St Sponge Park
- + \$396K - NYC Council capital funding - Composting facility
- + \$37K - NYSDEC Urban & Community Forestry Grant - Street gardens
- + \$59K - NYSDEC Urban & Community Forestry Grant - Tree inventory
- + \$50K - NYSDEC EJ Grant - Gowanus STEM Education curriculum
- + \$84K - NYC Civic Corps Grant - 2 full time Americorps staff members

Volunteer Initiatives:

- + *Clean & Green*: The Conservancy's volunteer program that develops environmental stewardship activities to improve the Gowanus Canal watershed. Over 900 volunteers and 5,600 hours served in 2013.



- + *Composting Gowanus*: The Conservancy's community composting program. We processed a total of 90 tons of food wastes in 2013.
- + 2nd Ave Rain Garden: 3,000 SF guerrilla rain garden constructed with 120 volunteers over 2 weekends in an abandoned street end.
- + 3rd Ave Garden: 900 SF guerrilla garden constructed with 50 volunteers along a public right of way.
- + *Canal Nest Colony*: Design and construction of 6 bird and bat house prototype designs and the installation of 23 units around the Canal with volunteer participation.

Dec 2010 - Jan 2013

Director of Special Projects, Gowanus Canal Conservancy

Capital Projects:

- + *6th Street Green Corridor (Budget - \$986K)*: Design, construction, maintenance and monitoring of 11 bioswales in the public right-of-way of a heavy industrial corridor of the Gowanus watershed.
- + *Gowanus Compost Facility (Budget - \$396K)*: Fundraising, design and construction of aerated static pile compost facility. Development of operational plan for Conservancy staff and volunteers to operate with an estimated annual throughput of 416 tons of food waste.
- + *Degraw Street Gardens (Budget \$37K)*: Design and construction of public green streets and bioswales, to be constructed with volunteers.

Research Projects:

- + *GLAM Balloon Mapping*: Systematic documentation of the Gowanus Canal with weather balloons and hacked digital cameras to create a historical record of the Gowanus Canal and its changes under Superfund.
- + *Bulkhead Adaptation Study*: Currently searching for funding to develop a study that will determine methods for converting biologically inactive sheetpile bulkheads into more ecologically productive edge conditions.
- + *Street Tree Inventory and Mapping*: Comprehensive mapping of urban forest and tree pit locations within 78-block zone closest to the Gowanus Canal. The inventory will inform management plan and tree planting priority areas.

Oct 2007 - July 2010

Associate, Dirtworks, PC - New York, NY: [www.dirtworks.us]

I managed schematic design through bid documents and construction observation on numerous public and private projects. I also served as the



in-house horticulture expert and helped with strategic firm planning.

Projects:

+ *University at Buffalo - South Ellicott Housing (Budget \$4.5 Mil)*: Native meadow restoration, large BMP facility and public plaza design.

+ *Stamford Hospital Expansion (Budget \$3.5 Mil)*: Native woodland and meadow design, large BMP facility and health care garden design

+ *Norwalk Community College - New Addition (Budget \$500K)*: Develop green infrastructure stormwater management and planting redesign in open space and new courtyard, incorporating new stone walls. Carpenter,

Sept 2006 - May 2007

Alphin Design Build - Raleigh, NC: [www.alphindesignbuild.com]

Residential and commercial construction experience, including foundation construction, structural framing and finished carpentry.

Jan 2006 - April 2006

Designer, Faltin Sattler Urban Planning & Competition Management, Düsseldorf, Germany [www.fsw-info.de]

International design competition management and graphic design work, urban design for a mixed use development in Tuttlingen, Germany.

Oct 2005 - Dec 2005

Designer, Weber Klein Maas Landscape Architects, Meerbusch, Germany [www.wkm-la.de]

Schematic design and construction document work for castle renovation in Slovakia, design work and rendering for Düsseldorf inner harbor masterplan

Sept 2004 - June 2005

Designer, Reynolds and Jewell Landscape Architects, Raleigh, NC [www.reynoldsjewell.com]

Design work and detailing on multiple projects including private residential gardens, campus planning and public facilities and plazas.

Additional Projects

November 2013

District Committee Member, Participatory Budgeting, NY Council District 39

Oct 2008

Make A Difference in 2 Days, design competition, Brooklyn, NY

June 2007

Redhook Bicycle Masterplan, design competition, Brooklyn, NY

September 2003

Cofounder, 1304 Bikes, Raleigh, NC

Community outreach and alternative transportation advocacy organization. 1304 Bikes assists residents of Raleigh with building and repairing used bicycles for transportation purposes.



Skills

Software: Autocad, Powercad, Vectorworks, Adobe Creative Suite, Microsoft Office Suite, Vertical Response E-mail Server

Horticulture: Lifetime of nursery experience, including production, propagation, pest management, facility and equipment operations.

Non Profit Management: Fundraising, grant writing, budget development, public presentations, personnel and volunteer management

Presentations and Conferences

- May, 2014 + Guest Critic - New York Institute of Technology Graduate Urban Design Students - Final Studio Presentation
- Feb, 2014 + Guest Speaker - Pratt Undergraduate Environmental Systems Management Students "Challenges of siting Green Infrastructure in NYC"
- Feb, 2014 + Panelist - New School Undergraduate Urban Design Students "Superfund Site: Gowanus Canal Case Study "
- Jan, 2014 + Panelist - Yale Ecological Services Conference "Human Ecology in the Urban Environment"
- Sept, 2013 + Guest Speaker - Rutgers University Landscape Architecture Department "Design Activism and the Gowanus Canal"
- Sept, 2013 + Presenter - Land Trust Rally "Superfund, Super Storm and Super Stars, the Evolving Face of the Gowanus Canal"
- Dec, 2012 + Guest Critic - Cornell Undergraduate Landscape Architecture Students - Final Studio Presentation
- Oct, 2012 + Guest Speaker - Parsons Undergraduate Design Students "Gowanus Canal Environmental History and Challenges"
- May, 2012 + Pecha Kucha Presenter - Wanted Design Fair NYC "Pro Bono Design at the Gowanus Canal"
- Oct, 2011 + Panelist - IOBY Urban Farming Panel Discussion
- May, 2011 + Guest Critic - City College of New York, 3rd Year Undergraduate Landscape Architecture Students, Final Review
- April, 2011 + Guest Speaker - Brooklyn College, Undergraduate Earth and Environmental Science Students "Gowanus Canal Environmental History and Challenges"
- March, 2011 + Guest Speaker - Parsons, Undergraduate Design Students "Gowanus Canal Environmental History and Challenges"
- May, 2010 + Guest Speaker - City College of New York, Graduate Architecture Students "Volunteerism and the Gowanus Canal"