
Engineer in training (EIT) with a degree in environmental engineering and experience analyzing air quality and noise. Owned and managed a residential home improvement company.

EXPERIENCE

Project Manager, EZR Packing Corp., Queens, NY

February 2015 - present

- Inspect and manage the handling of temperature-sensitive pharmaceutical imports
- o Facilitate communication between client and airlines
- o Document daily shipments and write evaluations to client
- o Implement handling of new protective casing at airport and client warehouses

Freelance, Air Quality and Noise Impact Assessment

October 2014 – January 2015

- o Modeled air quality impact of planned parking garages and changes to local traffic. Compared impact with federal, state, and city standards
- o Placed and monitored noise sensors and analyzed their data

Intern, Environmental Assessment and Review Division, Dept. of City Planning, New York, NY

December 2013 – September 2014

Prepared and reviewed the air quality sections of City Environmental Quality Review applications and provided technical assistance to applicants and department staff

- o Calculated air pollutant emissions from building stacks, industrial sources, parking garages, and construction and mobile activities
- o Developed air pollutant dispersion models according to EPA and city guidelines and compared results with city, state, and federal air quality standards
- o Created tutorials for running software and developing input files in accordance with EPA guidelines

Intern, Brookhaven National Laboratory, New York, NY

July 2013

Subway Surface Air Flow Exchange (S-SAFE) study:

- o Placed and monitored sensors and participated in workshops on dispersion of contaminants, tracer technology, and geosciences

Team Member, Lake Enriquillo Water Balance, Dominican Republic

Fall 2012 – Spring 2013

- o Evaluated specifications and obtained quotes for weather stations
- o Assessed and obtained quotes for data retrieval through a radio network with cellular or satellite transmission options
- o Discovered a no-cost satellite data retrieval plan through NOAA
- o Installed weather stations and constructed passive fog gauges
- o Designed a fog chamber to calibrate the fog gauges and analyzed fog water contribution

Licensed Home Improvement Contractor, Bluebird Interiors, New York, NY

2004 – 2011

- o Successfully completed projects ranging in scope from \$15,000 to \$200,000
- o Negotiated remodeling contracts with clients and subcontractors
- o Consulted with clients on project estimates, design issues, budgets, and scheduling
- o Administered all aspects of project budgets
- o Supervised and guided employees and sub-contractors
- o Designed and constructed built-ins and other special features
- o Resolved construction and installation problems

SOFTWARE

Air quality

Breeze AERMOD, MOVES, NONROAD, CAL3QHC/R, AERSCREEN

Other

ArcGIS, AutoCAD, MS Office, MATLAB, C++, STELA, ANSYS Fluent

EDUCATION

B.E. cum laude, Environmental Engineering, The City College of New York (February 2014)

A.S., Civil Engineering Science, LaGuardia Community College, NY (December 2010)

CERTIFICATIONS

Engineer in Training (EIT) certification, State of New York (June 2014)

Lead-Safe Renovation, Repair, and Painting certification #R-I-9421-10-01382

HONORS

Who's Who in American Universities and Colleges, City College of New York (2012-2013)

Dean's List, LaGuardia Community College (four semesters)

RELEVANT COURSEWORK

Electrical Circuits
Environmental Engineering
Environmental Impact Assessment
Environmental Water Resources
Fundamentals of Atmospheric Science
Introduction to GIS
Remote Sensing
Structural and Site Plans
Thermodynamics

AFFILIATIONS

Volunteer, Habitat for Humanity. Superstorm Sandy Rebuilding project

Member, Urban Green Council

Member, American Contract Bridge League (ACBL), competitive bridge player