

Keyvan Alonso

Contact

KeyvanAlonso@Gmail.com

www.Keyvan.nyc

Education

Bachelor of Engineering in Mechanical Engineering

CUNY - City College of New York
May, 2019

Software & Programming CAD

Solidworks, Fusion360, Inventor,
AutoCAD

Programming Languages

Familiarity in C, Python, Matlab,
Arduino, VBA

Microsoft Office

Google Suite

Certifications

OSHA 10-Hour General Industry

NYC DOB 16 Hour Suspended Scaffold

ICC Special Inspection Certifications in:

- Reinforced Concrete
- Structural Steel & Bolting
- Structural Welding

Languages

Spanish Fluent

Other Interests

Distance Running

- Volunteer coordinator at Lone Wolf Track Club
- Regular volunteer for race preparations with Queens Distance Runners.

Astrophotography

- Various seminars provided by Columbia University's Department of Astronomy
- Familiarity in Deep Space Object (DSO) data acquisition & image composition.

Rock Climbing

Experience

Project Manager FirstService Project Management

Aug. 2021 - Present New York, NY

- Aiding in managing residential buildings undergoing energy retrofits & electrification to reach compliance per NYC's Climate Mobilization Act. Estimated project costs range from \$150k to \$35M
- Overseeing property energy studies, contractor selection, and communication with property shareholders across 40+ residential buildings.

Structural Engineer Gilsanz Murray Steficek (GMS)

August 2019 - April 2021 New York, NY

- Work included the design of both new construction and general renovation projects across varied disciplines.
- Focus on Special Inspections per NYC Building Code.
- Expanded GMS's additional services footprint by leading field operations including Ground Penetrating Radar Surveying, Crack and Vibration Monitoring, and general observational surveys.
- Projects include:
 - Special Inspections and Submittal Management at new construction of Virgin Hotel, Manhattan.
 - Vibration monitoring of existing structure during partial demolition and expansion for Google at 550 Washington, Manhattan.
 - Various services including Structural Assessments per ASCE 11-99, and Ground Penetrating Radar Surveying for Citibank in CA & NY.

Building Superintendent Immanuel Lutheran Church

January 2018 - July 2019 Yorkville, Manhattan

- Presided over general upkeep of facilities throughout the property structures as well as well as conducting additional tenant services.
- Structured preventative maintenance and emergency preparedness schedules across a 10 and 11 unit residential buildings as well as an adjacent church.

Handyman FirstService Residential - formerly Midboro Management

May 2017 - July 2019 Carnegie Hill, Manhattan

- Adhered to maintenance duties for 34 and 41 unit pre-war residential buildings.
- Coordinated with external contractors to ensure essential building equipment were inspected regularly and maintained.
- Under supervision, executed contingency plans per FEMA National Preparedness System guidelines & NYC Fire Code.

Electrical Apprentice Contact Plus Electrical

May 2015 - September 2016 New York, NY

- Served as an apprentice for residential and commercial installations and repairs of electrical systems per New York City Electrical Code.

Projects

Vibration Monitor

Independent - Ongoing

- Ongoing project aims to create a vibration monitoring system with multiple sensor per microcontroller. Cost of system to be orders of magnitude lower than commercially available seismic & vibration monitoring equipment.
- Features to include immediate high Peak Particle Velocity (PPV) alerts, event frequency domain analysis, histogram visualization and report generation over preset periods.

Hydraulically Actuated Muscle

September 2018 - September 2019

- Served as Team Lead with guidance provided by the Biomechatronic and Intelligent Robotics (BIRO) laboratory at CCNY.
- A high pressure hydraulically actuated muscle was developed for augmentation through an exoskeleton system.
- Presented at the International Conference on Robotics and Automation (ICRA) in Montreal, 2019.