Engineer Spotlight Form - Entry #6

Spotlight Candidate Name

Mike Carroll

Nominators Name (if different from Candidate)

Khalid Hachil

Company

M&P Engineering and Land Surveying

Title/Position

Director of Electrical Engineering

Discipline of Engineering

Electrical

Licensure

PE

Licensure - Primary State

New York

List of all colleges, degrees, and year of graduation:

Bachelors of Science - Rensselaer Polytechnic Institute, PE, NCQLP Lighting Certified, AEE Certified Energy Manager (CEM)

Tell us about your favorite project or an interesting project that you worked on recently:

There are two mega projects which I have played a critical role as the lead electrical engineer. JFK is undergoing a $19 billion redevelopment across multiple termianls and the central terminal area. I helped design the power distribution throught the central terminal area and for the roadway lighting throughout the new construction. Battery Park City is performing a storm resiliency project to protect against future "Sandy-like" storms. A flood barrier system is being installed across 1.5 miles of Battery Park City. I played a critical role in the electrical, lighting, and telecom design for the mega project.

What would you say to young people who might be interested in STEM careers such as engineering?

I would say to find a passion and stick with it. I have come across many engineers that tried to be the "jack-of-all" trades. I found my path by becoming the best electrical engineer I can be. I have spent the past 20 plus years focused on all facets of electrical engineering. I believe being dedicated to a smaller trade helps a person standout as an engineer.

Provide one thing that you wish people knew about the work you do:

Some of the projects I have been working on are large infrastructure projects. They are for State and City agencies which require NDA's. I wish people were able to know more about the details of the large infrastructure projects I have been the lead electrical engineer for. The projetcs include a massive resiliency project for Battery Park City and the JFK Airport Redevelopment.

Did you always know you wanted to pursue a career in engineering? What inspired you to pursue it?

I was always intruiged by electricity. As a youngster I would cut christmas lights into different lengths and create circuits using different materials unknowingly determining different resistances. I may have shocked myself a few times which also may be the reason I headed towards electrical engineering.

Have you had mentors throughout your careeer? How have they made an impact on you and your preofessional development:

I have had a number of mentors throughout my career. My first mentor Mike M. was an incredible engineer dedicated to teaching the younger generation. He worked at Columbia teaching engineering and taught me all the basics of the NEC and electrical design. My second mentor was Mike N. who was a specialized electrical engineer. He knew all aspects of electrical engineering working for him help refine all the details and skills associated with electrical engineering.

What is one skill you are currently working on?

I am currently working on using AI for professional purposes. I think there are benefits to using AI as long as the information is reviewed and confirmed. AI is the wave of the future and I am making sure to be onboard in the ever changing world.

What would people be suprised to learn about you?

People would be surprised that if I was not an engineer I would likely be a chef. I have always enjoyed cooking and my first job was for a catering company. When I was determining my college route I had chosen either RPI or the Culinary Institue of America (CIA). I defaulted to learning engineering knowing I would always have the ability to cook and develop my culinary skills.

Where's your favorite place to travel or a destination you look forward to visiting?

I am looking forward to traveling throughout the US and abroad. I have been dedicated to my work. Currently my goal is to continue working in locations I would like to travel. I am licensed in Texas and Florida and have been looking for projects in these locations. After a full electrical engineering division is established, needing less of my daily input I look forward to traveling abroad. One place I would love to visit is Croatia.

Have you ever met a celebrity? What was your experience?

I have met a few celebrities. One that stands out is Guy Fieri. I was in NYC at an after work event and saw him pass by and ran out to say hi. He was on his way to a meeting for his NYC restuarant but took a few minutes to chat with me and take a picture with me. I expressed my appreciation of his exciting way to approach cooking and his shows.

What is the last TV show you binged and loved?

The show my wife and I have been recently watching is Paranormal Caught on Camera. It is a show that examines videos provided by the public of paranormal activities. While some videos are clearly staged or explainable we like to ponder the videos that seem unexplainable or "out of this world". It delves into supernatural events and unexplainable aerial phenomena.

What music or podcasts have been on rotation for you lately?

I am a conspiracy theorist by heart. Many of the podcasts I listen to revolve around the paranormal or unknown. I have recently been listening to The Why Files and the Danny Jones podcast which regularly delve into UFO's, aliens, and CIA conspiracies.

If your life had a theme song, what would it be?

I actually had a theme song throughout college. I was in a fraternity and by Junior year I would have people play "We Built This City" by Startship when I was entering a room to play a game of beer pong. It was always quite the scene. After about 100 times there was a report that We Built This City was considered the worste song ever made. It seems very fitting for my college experience.

What book, movie, or TV show changed your outlook on life?

One of my favorite movies is The Little Mermaid. It has an amazing audio soundtrack and fun plot. It reminds me there are no easy answers and a persons actions can effect the ones they love. I jokingly referenced this movie throughout my life and used it as an ice breaker many times. "The seaweed ais always greener in somebody elses lake."

Any additional comments:

I have dedicated the past 20+ years devoted to electrical engineering. I am always still learning and always open to more information. If you read this and want to collaborate or if you have any electrical engineering questions please do not hesitate to reach out to me. I am a "nerd" for electrical engineering and would love to chat with you.

Email

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Upload a Photo to be used for the Engineer's Spotlight

 MCarroll-Hdshot-03090365.jpg

Long Island Chapter of the New York State Society of Professional Engineers