

Moe S. Rohan (Raihan)

PROFILE:

Experienced 3D Drafter/Engineer/Manager, with a Bachelor of Science in Architecture. Looking to find a job where I can utilize my 3D drafting skills, and make appropriate drawings for fabrication/erection purposes. Recently, I left Greaves Corporation, working as a mechanical engineer, and now I'm in the process of applying to Architecture Grad Schools for 2026. I am working right now by renting an office at Branford Coworking.

Program-wise, currently, for the past 6 months, I've been using Solidworks for electrical connectors, lugs and such for fabrication purposes. And for 3 years before that, I was using Autodesk Inventor, to make Steel Fabrication drawings and cable recycling systems. I also have experience with Revit, Rhinoceros, Photoshop, Illustrator, and applicable related programs to expedite the process of making appropriate drawings on the computer.

CONTACT	Main Experience
(203) 871-9560 moe.s.rohan@gmail.com MrMoeRohan.Com Branford, CT 06405 linkedin.com/in/moe-shahi-rohan	Engineer III/ Project Manager <u>Greaves Corporation- Centerbrook, CT</u> <u>May 2025- November 2025</u> • I have been using Solidworks for the past 6 months. I had experience with Autodesk Inventor prior to that, thus transitioning into Solidworks has not been too bad. Especially with all the shortcuts that are available, so I use similar commands, as I used in Inventor to make my drawings. • I have also been creating electrical connector part drawings in Solidworks, aluminum and copper products, that help protect and transition different wire types. • I ended my time at Greaves while working on upgrading their Power Terminal series. I lead the project, as Greaves wanted to offer more variety of products, and more wire types to customers. They needed UL approval, the governing body for Electrical safety standards, thus, I created drawings to satisfy the approval process. • Besides these primary roles, I also helped with their ERP system. Greaves has its own ERP system, Made2Manage, for managing, in order to have the production operation go smoothly. We updated consistently, so the company could efficiently produce required products that customers were ordering.
EDUCATION	
<i>Bachelor of Science in Architecture</i> Temple University (May 2014) Philadelphia, PA High School Diploma Branford High School (June 2010) Branford, CT	
KEY SKILLS	
■ AutoCAD/Inventor ■ Solidworks ■ Team Collaboration ■ Adobe Photoshop/ Illustrator/ Indesign ■ Microsoft Suite/Teams ■ Google Email Coordination- Labeling and Keeping Track of Jobs ■ Past Programs: Rhinoceros/ Revit/Tekla Structures/Bluebeam ■ Typing speed of 80 WPM ■ Blogging in English, Bengali, Japanese	Detailer/Project Manager <u>Logan Steel- Meriden, CT</u> <u>February 2023- April 2025</u> <u>2024-25 Work Experience (Internal Fabrication Office)</u> • I used AutoCAD to clean up drawings, so we can cut with our in house lasers. Logan Steel has 2 primary lasers currently, and a plasma kinetic machine. We can cut up to 1.5” thick steel, at the current moment, with our laser cutters. We also used the kinetic, to cut up to 3” thick steel pieces. • I also used AutoCAD and Inventor extensively to create drawings for our steel Welding Department. Logan Steel has a pretty decent welding department, where all the customers that need fabrication steps, can seek us, and we would do all the necessary steps, like gathering laser cutted steel, and pre-cut structural materials, so we can make fabrications based on appropriate drawings. • Our structural machine, the Voortman, which used its own internal program to cut beams, channels, pipes, and plates to appropriate size. The internal program allowed us to manipulate the structural materials to pretty much whatever shape we desired. And we can also import Inventor/Advance Steel CNC files, and manipulate in Voortman as well.

AWARDS

Gilman Scholarship 2013

Temple University Scholarship
2010-2014

Temple Abroad Scholarship 2013

Miscellaneous Work

Branford, CT

September 2015-Present

- Created websites:
- <https://mrmoerohan.com>
<https://raihanden.blogspot.com>,
writing blogs on architecture and life.
- Worked at Parthenon Diner as a dish-washer and server in 2019-2020.
- Worked at Scarpe Di Bianco in 2015, and tutored in NH in English 2015-17
- Created architectural drawings on Rhinoceros and AutoCAD.
- Created designs on Photoshop, Illustrator, and sometimes Indesign.

PROJECTS

Tokyo Tourist Hostel

Location: Tokyo, Japan

- Spent 4 months investigating Akihabara, the main site of a hostel. We analyzed and made design decisions to create a space where international guests can come in and enjoy the sceneries of Tokyo, Japan. Created Plans, Sections, Elevations, and 3d Drawings.

Philly Bauhaus Tech School

Location: Philadelphia, PA

- Spent 4 months creating a technology school where both teachers and students seamlessly collaborate and create a learning community. Created Plans, Sections, Elevations, and 3d Drawings.

- Also coordinated with outside detailing services, for bigger jobs, that required more in-depth knowledge. These are licensed detailers that use proper annotations and instructions so our shop welders can appropriately weld and make proper fabrications. I would pretty much check to make sure everything made sense, so we can fabricate appropriately in our SHOP.
- Internally, we have a staff of around 60 employees, and I was also in charge of handing out drawings, so our Cutting Department, and Laser department could get appropriate materials so they can be utilized on the machines.
- Coordinated with SAW+DRILL+Voortman+SHOP to make appropriate customer fabrications.
- Fixed customer drawings, so we can fabricate appropriately
- Followed up with customers, after making drawings, to get approval.

2023 Work Experience (Front Sales Office)

- Using AutoCAD for tracing and 2D Drawings. Also using it to mainly create DXF drawings for the laser cutter as needed, as well as for in-house drilling.
- Primarily use AutoDesk Inventor to make Assembly Drawings for in-house Fabrication and welding. At Logan Steel, there are many steel structures that we have in-house, so making them in Inventor is super helpful, as it saves a lot of time. And also using existing 3D models to design as needed for customized jobs. Sometimes having the right inventory of files saves a lot of time in the long run.

Engineering Drafter/Designer

Cable Management- Meriden, CT

August 2022- February 2023

- Used Autodesk Inventor to do manufacturing design; this includes creation and analysis of 3D models. The models were for the most part extruded from 2D to 3D and sheet metal pieces were used in the model as needed for metallic parts.
 - I also used iproperties to manage drawing properties which make the drawings have the information automatically for fabrication and assembly purposes.
- There were several types of drawings that I created, and those included assembly drawings to fit together machines and transition parts.
 - Being able to read from the part list and figure out how the assembly parts connect together was a primary purpose. Made drawings so that the Assembly Team can read and build parts based on the design. Accurately needed to have information about bolts, nuts, washers, and welding instructions. Big assembly examples include Screw Conveyors, Granulators, Shredders, and regular Conveyors as well.
- Being able to create a drawing that conveys accurate laser cutting information was also another major aspect of this position. In the drawings, being able to read and understand how a piece bends accurately was crucial.
- Also used Oracle Netsuite for inventory/transaction purposes. This includes using the inventory that netsuite has accumulated throughout the years that Cable Management has been in business.
- Finally, I utilized Excel with OneDrive for Engineering Directory Data. I used it everyday to keep track of all my individual drawings as well as drawings made by other team members. It's a lot of coordinating between the lead engineer and the other design team members.