

Noah L. Saltzman

noah@noahsaltzman.com
(561) 573-8565 ♦ Philadelphia, PA ♦ noahsaltzman.com

WORK EXPERIENCE

New Hudson Facades

Jan. 2018 – Aug. 2022

Mechanical Engineer

Linwood, PA

- ◆ Led bronze panel cladding team on 270 Park Avenue. Established parametric modeling standards for bronze panels on the tower. Coordinated manufacturing efforts with multiple teams abroad. Engineered models for manufacturability and ease of installation.
- ◆ Transitioned to remote part-time consulting in May 2022 to assist in handoff of bronze panel team lead.
- ◆ Previous teams include 35 Hudson Yards, 50 Hudson Yards, and the Children's Hospital of Philadelphia – PAOB.
- ◆ Refined façade components including curtain wall systems. Implemented changes to align with project and client goals, release times, and budget.
- ◆ Originated protocol for tracking dry-lay stone installation locations for high-visibility zones.
- ◆ Designed multiple ice and snow retention mock-ups for CHoP and 270 Park Ave. Oversaw testing at U of Canada Oshawa-Ace Climatic Wind Tunnel and presented results to engineering department.
- ◆ Routine unit modeling in Inventor and create detailed drawings in AutoCAD. Analyze architectural and structural drawings. Executed 3D parametric and wireframe models.

Formula SAE – Lehigh Racing

Aug. 2013 – Dec. 2017

Lead Designer - Chassis

Bethlehem, PA

- ◆ Designed, built, and tuned a Formula 1 style race car to compete against 120 teams at the Michigan FSAE competition.
- ◆ Utilized multiple software packages, such as SolidWorks and Autodesk, to complete CAD models and finite element analysis.
- ◆ Oversaw chassis as lead designer and worked with team and faculty members to redesign the model in line with all system changes.
- ◆ Design work on car included final drive spool, integrated rear brake system, fabrication of chassis, uniquely side-mounted pedal box, and jigs for manufacture.

South Mountain Makers – Lehigh University

Aug. 2016 – Dec. 2017

Product Designer

Bethlehem, PA

- ◆ Selected by the City of Bethlehem and ArtsQuest to design a multifunctional bike rack.
- ◆ Designed office and occasional tables. Other projects included 3D printed pens and other tools.
- ◆ Team member of a student design group to accomplish projects on and off campus, with strict deadlines and tight turnaround times.

Neuvana, LLC

June 2014 – Jan. 2017

Industrial and Product Designer

Hillsboro Beach, FL

- ◆ Executed overall design of the product housing for a consumer transcutaneous nerve stimulation device.
- ◆ Winner of the Techstars "Lifestyle and Digital Health" Award.
- ◆ 3D Printing and Prototyping specializing in use of SLA Printing.
- ◆ Worked with a small team of engineers and presented concepts weekly to board members.

SKILLS

SOFTWARE: SolidWorks, NX8.5, Autodesk Mechanical, 3DS Max, AutoCAD, Photoshop, InDesign

PROGRAMMING: Excel, MATLAB, LABVIEW, Arduino

MANUFACTURING: Vertical Mill, Lathe, CNC Mill, TIG/MIG Welding, Carbon Fiber layups, 3D Printing, Woodworking

EDUCATION

LEHIGH UNIVERSITY – Bethlehem, PA

Aug. 2013 – Dec. 2017

Bachelor of Science in Mechanical Engineering, Minor in Product Design

Relevant Coursework: Reciprocating and Centrifugal Engines, Vibrations, Dynamics,

Fluid Dynamics, Thermodynamics, Heat Transfer, Strength of Materials, Mechanical Elements, Product Design, Statistics

PERSONAL PROJECTS

Camper Van Renovation

May 2022 – Present

2000 Ford E350

- ◆ Designed and fabricated all components to transform a 2000 Ford E350 van into a camper, including cabinetry, water, electrical, and solar. Executed fiberglass roof repairs and replaced AC system. Currently nearing our goal to complete an 8-month cross country road trip.