



Preston Howell

Industrial Design Engineer

I am a self-motivated worker, taking top priority in completing high-quality work and contributing to my team members. I have a keen sense of detail, aesthetic, and design, and take pride in always striving to accomplish the best quality of work according to my abilities.

09.2020 Industrial Design Engineer

05.2024

Nxu, Inc | Tempe, AZ

- Liaison between the creative and engineering teams, leading the physical design and component integration of all products, from early concept phases through production
- Designed, fabricated, and built various interior and exterior components of functional electric pickup truck prototype
- Lead production intent development of vehicle package engineering, occupant package, and all component integration
- Participated in multiple design engineering phases of vehicle development including chassis, suspension, electric motors, and gearbox
- Developed and integrated multiple manufacturing processes in battery pouch cell manufacturing, including both automated and repeatable manual processes
- Built and tested the world's first publicly demonstrated 1MW+ electric vehicle charger, and deployed the company's first publicly available 750KW vehicle charger
- Created digital assets for all internal and external content, including investor/presentation decks, social media posts, website, marketing campaigns, etc.
- Responsible for creating all 3D models and renderings of current and future products for use in marketing, sales, and all other needed applications
- Being a startup, over the years I learned a wide set of diverse skills as a member of the design, vehicle engineering, battery manufacturing, charging development, and marketing teams

05.2019 Industrial Designer

06.2021

The Luminosity Lab | Tempe, AZ

- Lead industrial design and engineering teams in the development of new products and services as requested by clients such as NASA, Mayo Clinic, local law enforcement, and several others
- Projects included autonomous security drones, lunar data collection probe launchers, medical devices, and more

Contact

Location

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E-mail

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LinkedIn

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Portfolio

prestonhowell.design

Skills

Adobe CC Suite

Autodesk

CAD/CAM

DFM + GD&T

KeyShot

Rapid Prototyping

Siemens

SolidWorks

Education

Arizona State University

BS, Industrial Design

Summa Cum Laude