

# CHARLES BRANDON

Merriam, KS

913-221-1110

[4autoinventor@gmail.com](mailto:4autoinventor@gmail.com)

## PROFESSIONAL SUMMARY

Proven Production Design Tech with creative “outside-the-box” thinking and a passion for invention and design. Critical thinking with strong mechanical aptitude and analytic skills. Thrives in a fast paced environment.

## CORE QUALIFICATIONS

- Ability to quickly grasp and implement industry software
- Excellent abstract design conceptualization
- Innate ability to create and discern product flaws and concept refinements
- Investigative mindset and solution oriented
- Proficient in utilization of Microsoft office

## TECHNICAL SKILL SETS

- *Solidworks* proficiency, 3D part design from verbal or 2D drawings
- BOM and material sourcing, knowledge of FDM and various resin 3D printing
- Prototype fabrication
- Format vendor files and prep for 3<sup>rd</sup> party tooling
- Strong inspection and cost estimation skills

## RELEVANT EMPLOYMENT EXPERIENCE

### *Fabrication / Production*

- Extensive hands on prototyping of parts for automotive EV conversions and aeronautic drone construction
- Designed and developed product-effectiveness testing methods and performed quality assurance analysis
- CAD design and hands-on metal fabrication for outdoor lighting and esthetic decoration
- Oversaw and coached production staff on material handling and assembly to ensure compliance and quality assurance are met

### *Customer / Client Relations*

- Excellent interpersonal skills to collaborate and act as a liaison between engineers and the production and manufacturing teams
- Conducted design-review meetings with engineers
- Passion for working with customers to help them solve issues and design unique solutions while maintaining compliance
- Strong investigative research methods and style to gather project details and then create a prototype or end product

**Personal & work-product portfolio (images approved by DA with redactions)**

**\*Under construction 7/31/23\***

## EMPLOYMENT HISTORY

**DESIGN CONSULTANT**                      **2022- Present**

Merriam, KS

**PRODUCTION DESIGN TECH**                      **2018 - 2022**

*Digital Aerolus*, Lenexa, KS

- o Inspection Drone & AI start-up

## EDUCATION

**Bachelor of Science - Criminal Justice 2005**

Missouri Western State University, St. Joseph, MO