

Name

Phone

[Email](#)

Secret Clearance Active

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| <u>Education</u> | University of Kentucky – Lexington, KY B.S. in Mechanical Engineering | May 2015 |
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| <u>Work Experience</u> | Lockheed Martin – Contractor Aerospace Design Engineer <ul style="list-style-type: none">• Provided design support for fixed wing aircraft for retrofitting old iterations of airframe.• Worked on documentation control and updated technical specs while transitioning previous designs from old suppliers to current technical design packages. | Jan 2022- May 2022 |
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| | Hummingbird Nano Staff Engineer <ul style="list-style-type: none">• Provide manufacturing support and commercialization support for unique microfluidic technology. Hummingbird Nano is a new startup company with several National Science Foundation grants that reached out for help taking their unique technology and developing a market for it.• Performed experiments on product development to meet design requirements of microfluidic chips along with developing new manufacturing techniques to meet customer standards. | July 2021- Oct 2021 |
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| | Lockheed Martin – Contractor Aerospace Design Engineer <ul style="list-style-type: none">• Provided military production support for MRB solutions; requiring creative problem solving, aero-design knowledge, and interpersonal communication skills to develop a solution and implement it on the manufacturing floor.• Worked closely with Production Operations, Stress, and Program Management on unique airframe solutions. | Jan 2021- June 2021 |
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| | Belcan Corporation Aerospace Design Engineer <ul style="list-style-type: none">• Acted as a lead designer for primary airframe structure of FARA/Raider X empennage. That involved working very closely with Analysis, Controls Systems, Manufacturing, and Design groups for critical parts and interfaces.• Provided teaching and technical assistance for Model Based Definition and FT&A on 3DExperience to other engineers and colleagues.• Worked as primary designer for FARA/Raider X paint scheme. | Oct 2019- Jan 2021 |
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EMH Systems

Sept 2018-

Industrial Design Engineer

Oct 2019

- Gained industrial and architectural design experience working on material handling systems for an airport in Orlando, FL.
- Lead engineer on design efforts for prototypes and small batch industrial machine design; Examples include industrial cable assembly machine for Dynacraft and hoist systems for Progress Rail .
- Gained experience in fabrication and manufacturing management. Frequently made and modified parts to gain personal fabrication experience.

Belcan Corporation

June 2015-

Aerospace Design Engineer

Sept 2018

- Detail design work for original concept helicopter components. Specifically for the S-92 platform; airframe and interiors.
- Designed components from sheet metal, machined parts, composite parts, and fabrics.
- Composite Part Design (Catia V5 Zone CPD) experience for Gulfstream fixed wing platform.
- Designed parts and ground paths for EMI protection.

Relevant Skills

- **High level 3D design experience**
 - Experience with 3DEXperience, Catia V5, Solid Works, and AutoCAD. Frequently I was tasked with modeling complex machined parts and complex composite surfacing projects.
- **Design and fabrication of Manufacturing Equipment**
 - While at EMH my primary role was to design industrial equipment for customers to meet unique requirements to support their production needs. Usually doing designs for prototype machines or end effectors to support manufacturing needs. This frequently required design, fabrication, testing, and improved redesign cycles.
- **Composite Design Experience**
 - Familiar with Zone CPD in Catia V5. While on site designing for Gulfstream I designed and integrated composite data for many entryway parts, cockpit parts, and baggage area paneling.
- **Strong Interpersonal Skills**
 - I have been a part of many teams and lead many teams as well. I am typically most comfortable leading teams by facilitating clear communication of goals and maintaining clearly outlined expectations. This ensures that progress is easily tracked to ensure any issues can be addressed earlier in production rather than later.