



Igor Davidenko

PRODUCT DESIGNER

MECHANICAL / DESIGN ENGINEER

CONTACT ME

📞 513 520 2061

📍 Ferndale, MI

✉️ igor@igordavidenko.com

EXPERTISE

- PPE product design
- Injection molded plastics
- Aluminium and zinc casting
- Hazardous environment products
- Design for Manufacturing
- Sheet metal design
- 3D printer management
- IOT Implementation
- Technical documentation
- SolidWorks
- Autodesk Inventor
- DVP&R
- DFMEA/PFMEA
- SCRUM

EDUCATION

Drafting & Design

ITT Tech

3.75 GPA

Certified SolidWorks Professional

2018

PROFILE

Focused on designing reliable and durable products that help humanity stay comfortable and safe.

EXPERIENCE

Senior Design Engineer / Big Ass Fans

2016 – 2020

- Principle design engineer over the residential fan division.
- Engineered new residential products with five patents pending.
- Collaborated with Amazon to integrate Echo into existing products.
- Implemented GD&T standardization throughout the engineering organization.
- Coordinated with overseas branch and vendors on design / manufacturing objectives.
- Managed new product engineering lab and 3D printers.
- Created modular system for quick accessory attachment to products.
- Evaluated and created DFMEA, PFMEA and DVP&R for existing and new products.

Designer / E.D. Bullard

2010 – 2015

- Designed products for thermal imaging, respiratory, head and fire protection.
- Engineered products to NIOSH, NFPA, ANSI, ISO standards
- SolidWorks administrator managing technical drawings, standards, release process and revision control.
- Mechanical design lead on multiple projects.
- Created specifications and assembly instructions for new products.
- Evaluated and created DFMEA, PFMEA and DVP&R for new products.
- Collaborated with electrical engineers in laying out board components, sizes, shapes, routing wires, and checking interferences.
- Designed and created EMI shields for electrical components.