

# KYLE DVORAK

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## EDUCATION

**Southern Methodist University, Dallas, TX**

Bachelor's Degrees in Mechanical Engineering & Mathematics

Master's Degree in Art, Design, and Innovation

## WORK EXPERIENCE

### **Wilson Electronics: Product Design Engineer**

2022-present

- Lead Product Design Engineer overseeing a small team of mechanical engineers, managing all 3D CAD and product design efforts, organizing PLM processes, and collaborating with testing and quality teams to address potential issues
- Led product design efforts for all home, road, and commercial projects. These projects include:
  - Enterprise 4330/1398: a unique first ever rack/wall hybrid solution.
  - Overland Antenna Bracket: A patented design that garnered a partnership with Toyota to include in their off-road car packages.
  - Sky: an innovative product to allow boosted satellite coverage everywhere, on the go.
  - Dash: A first of its kind solution to offer both inductive charging and cell service to any phone, anywhere.
- Brought engineering projects to fruition, from initial ideation all the way to internal production.
- Created jigs and fixtures for our production line to test, load, and validate all software and hardware.
- Worked hand in hand with suppliers and manufacturers to assess DFM and cost down efforts.
- Collaborated with production and configuration teams to create and implement SWIs for the efficiency and ease of assembly lines.

### **Flight School Studios: Contractor**

2021

- Effectively used mechatronics to create a sensor-based product to detect moving objects.
- Worked with a team of engineers to prototype, analyze, and solve issues throughout the project.

### **Hi Rise Camera: Contractor**

2020-2021

- Created an innovative product line that could be seamlessly integrated with their current products.
- Collaborated from ideation to final prototyping, to get the product to market on time and under budget.

### **Dover Fueling Solutions: Mechanical Engineering Intern**

2017- 2019

- Redesigned and incorporated a new locking mechanism for gas dispenser POS systems, using CAD, resulting in a cost-efficient solution to security issues.

- Worked efficiently with a team of engineers to analyze, test, and solve problems in relation to gaskets and fluid leakage in order to decrease equipment degradation.
- Designed and milled solutions using g-code for water leakage inside dispenser.
- Invited to return for three consecutive intern programs.

## **ADDITIONAL SKILLS**

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|---------------------------|----------------------|----------------------|
| ● CAD/SolidWorks          | ● Spanish Proficient | ● Lathe Proficient   |
| ● Microsoft Office Suite  | ● Laser Cutting      | ● Milling Proficient |
| ● Wiring/Soldering Skills | ● 3D printing        | ● CNC Proficient     |