

Scott Kevern

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EDUCATION

B.S. Degree, Mechanical Engineering

-The Ohio State University, Columbus, OH

2014-2018

GPA: 3.72 (4.0 Scale)

WORK HISTORY

Cover Technologies

Los Angeles, CA

Mechanical Engineer (January 2019 – Present)

Boss Display

Columbus, OH

Design Engineer (May – August 2018)

- CAD Design of 4 Interactive Water / Ball Exhibits for Children's Museums & Science Centers
- Prototyping of Electrical and Mechanical Hardware for Various Exhibits & Interactives

Tesla Motors

Fremont, CA

Drive Unit Quality Engineering Intern (May – August 2017)

- Root cause analysis on S/X field failures: utilizing NVH data, Torque studies, CMM data, Hipot testing and other techniques to identify a variety of Drive Unit and Inverter failure modes.
- Created data analysis tools in Python/SQL/Tableau to catch & monitor critical quality defects & push process improvements to Model S/X Drive Unit production teams.
- Led project to improve fastener rundown strategy and develop metrics across 70 assembly stations

Toyota Motor Engineering and Manufacturing North America

Erlanger, KY

Production Engineering – Powertrain Co-op (August – December 2016)

- Support new model engine/transmission bench up activities for dynamometers at KY & WV plants.
- CAD of tools/jigs/fixtures utilizing GD&T skills and machine elements. Est: 25 Drawings: \$75,000
- Responsible for managing the design-quote-order-confirm process for 40+ items at 3 plants.

Honda of America Manufacturing – Engine Plant

Anna, OH

Ferrous Manufacturing – Mechanical Engineering Co-op (May – August 2016)

- Centrifugal casting line - Coating System project lead: coordinate scope, schedule, budget (\$50k)
- CAD for machining layouts, fixtures and gaging, CNC, and continuous improvement projects
- Identified and alleviated the root cause of a \$100k metallurgical defect in cast cylinder sleeves

TECT Power (Turbine Engine Components Technologies Corporation)

Cleveland, OH

Mechanical Engineering Intern (May – August 2015)

CORE STRENGTHS/TECHNICAL SKILLS

- AutoCAD
- Solidworks
- Python/SQL
- MatLab/C++
- CAD Design & Drawing
- Circuit / PCB Design
- DFM / DFA
- Mechanical Design
- Team Leadership & Project Management
- Analytical & Creative Process-Thinking
- Hydronic Heating & Cooling Systems
- Engine / Transmission Troubleshooting

AWARDS/MISC.

- Won OSU Makeathon 2017 – Velodroid
- Fastest Perfect Run of 63 Teams in OSU Honors Engineering Robotics Competition
- Received "Best JavaScript Implementation" Award– OSU Hackathon 2015
- 2nd Place in Toyota Co-op Showcase
- Employee of the Week – Tesla Drive Unit
- Lotus Seven/Caterham Replica Car Project
- Communications Director – OSU Ukulele Club