


Brian Smak

Web Developer

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Ambitious Web Developer looking to gain more experience in the industry. Brings engineering background of problem-solving approach and powerful technology skills to web development process. Foundational grasp of HTML, CSS, Javascript and JQuery, while currently working through a full-stack boot camp.



Skills

- Critical Thinking 
- Microsoft Office (Word, Powerpoint, Excel, and Project) 
- Project Management 
- HTML5 
- CSS 
- Javascript 
- JQuery 
- Japanese Language Proficiency 
- Problem Solving 



Work History

● Product Engineer

American Axle & Manufacturing Holdings Inc., Detroit, MI

- Designing and releasing differential components from concept design through final launch.
- Engineering analysis (stack-ups, calculations).
- Perform design analysis for current programs, future products, and cost reduction opportunities.
- Develop, validate and release component designs.
- Provide technical direction to CAD designers, manufacturing/process engineers, suppliers, purchasing, analysis & test engineers, etc.
- Procure prototype parts for validation and customer requirements.
- Release of bill of materials.
- Provide bill of materials and technical information in support of corporate

2014-05 - Current

cost estimating and other activities.

- Approve of all product math models and detailed drawings.
- Determine root cause and make corrective action recommendations Key accomplishments:.
- Lead a cost savings activity through VA/VE to reduce mass and cost on a large- scale program that led to annual savings of \$50,000.
- Lead role on a team that was the first to take on subsystems integration and successfully pursue new businesses involving electric drive units.
- Many of the issues involved complex subsystem project management.
- Worked on a team to resolve an issue before launch determining root cause and implementing corrective actions as well as preventative actions to stop further occurrences.

2013-10 - 2014-04

Engineering Co-op

American Axle & Manufacturing Holdings Inc., Detroit, MI

- Providing support for propeller shaft group on various activities including benchmarking and releasing bill of materials.
- Provide benchmark reports.
- Provide material and lube analysis.
- Release bill of materials.

2013-03 - 2013-10

Intern

Oakland University

- Researching alternative fuels for diesel engines, specifically on fryer oils from restaurants.
- Providing bill of materials and costs.
- Researching different filter options and determining fuel quality necessary for use.



Education

Bachelors of Science: Mechanical Engineering

Oakland University