# Devin Powers

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## RESUME OBJECTIVE

Exceptionally well organized and resourceful professional with a solid academic background in engineering and mathematics; excellent analytical and problem-solving skills; able to handle multiple projects while producing high quality in a fast-paced, deadline-oriented environment. Seeking an entry-level position in a data-driven business/engineering role. Passionate about continuing developing programming competence.

## EDUCATION

Michigan State University East Lansing, MI — December 2019

- Civil Engineering
- Cumulative 3.3 GPA
- Member of IEEE, ASCE, Environmental Engineering Society and MSU Snowboarding Club

## WORK EXPERIENCE

ADAC Automotive Project Engineer Intern — May 2017 - August 2017, June 2019 - August 2019

- Improved product quality issues on door handle gaskets from Mexico by performing tensile tests using policies and standards; saved the company $10,000 from travel expenses and manufacturing delays
- Assisted diagnosing when defects in car door handles occurred during environmental and performance testing by monitoring, analyzing data, and documenting; helping to identify when defects occurred 10% faster
- Interpreted engineering prints by adjusting for mechanical tolerances, 3-D printing parts and writing validation reports; helped prepared design engineers for meetings with General Motors
- Increased efficiency of the assembly line by working on the line and listening to employees; increasing the number of door handles assembled by 15% an hour
- Evaluated the environmental impact of a car door handle from raw material to finished product by performing a life cycle analysis; helped engineers identify keys areas in manufacturing and supply chain process to improve sustainability
- Wrote simple scripts solving spring-mass-damper system in car door handle using Python; helped to visually show velocity and displacement when the handle is pulled

Ten-E Packaging Services Packaging Engineer Intern — May 2018 - August 2018

- Provided packaging support to clients' brand products and consumable devices by quickly researching and learning new material and regulations, resulting in adding $100,000 in new revenue from clients
- Developed new filing and organizational practice for lab tests, transitioning from paper to electronic tablets, allowing customers to be informed of their product status quicker from 1 day to 30 minutes
- Assumed project management role during manager absence by ensured 10 accounts were on project timeline ensuring $300,000 worth of services were handled

West Michigan Whitecaps Manager — April 2013 - August 2016

- Deployed active listening and a solutions-centered approach to resolve customer concerns while adhering to company policies; moved up from dishwasher to manager in one season
- Assembled a team of twenty or more employees, by coaching and using employees' strengths, resulting in increasing sales from $10,000 a night to $15,000 a night by the end of the season
- Filled in during mascot absences by deploying out-going personality, represented the organization with excellent internal and external customer service

## PROJECTS

- All projects are available on devintheengineer.com
- Completed a wastewater treatment facility design with a filtered membrane by applying theories and practices learned in water and wastewater treatment, microbiology, and organic chemistry courses
- Developed a water slide, detention pond, remediation site cleanup, and a drainage system by applying methods learned in hydraulics and hydrology
- Designed a drainage system and performed a hydraulic analysis of a river by applying engineering theories and mechanisms; ensuring the project complied with federal, state and local regulations
- Performed a life-cycle-analysis of a TV remote by using openLCA software and by applying practices learned in sustainable civil and environmental engineering systems course
- Built a stock predictor using Python and the following libraries: Pandas, NumPy, Sklearn-learn, Keras, and Matplotlib
- Used NBA data in Python to construct a machine-learning algorithm to group similar players and make statistical predictions

## TECHNICAL SKILLS

- **Tools:** Microsoft Office, Tableau, MATLAB
- **Web Technologies:** JavaScript, HTML, CSS
- **Languages:** Python, SQL
- **Civil Tools:** AutoCAD, EPANET, HEC-RAS, MicoStation, SimTraffic, Synchro, openLCA, SAP2000