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ANDREW CLARK

5929 Knight Ave.
Tuscaloosa, AL 35405

EDUCATION

Purdue University, West Lafayette, IN   December 2018

Karlsruher Institut für Technologie, Karlsruhe, Germany   April 2017-August 2017

WORK EXPERIENCE

Mechanical Engineer
  3 Axis Engineering, LLC, Tuscaloosa, AL   December 2021-Present
- Performs accident reconstruction, vehicle and site inspections
- Develops 3D visualizations of dynamic accident sequences
- Completes vehicle crash testing for training and research

Process Engineer, Paint Shop
  Mercedes-Benz U.S. International, Inc. (MBUSI), Vance, AL   January 2019-December 2021
- Leads projects to install new dispense systems for future vehicle lines
- Leverages 3D modeling and printing to generate production tools and accelerate new concepts
- Designs reports for clear production analysis

Mechanical Engineering Intern
  Leadec Industrial Services, Bessemer, AL   May 2018-August 2018
- Developed software tools to streamline project documentation
- Created production drawings in Autodesk Inventor for installation in major automotive facilities

Paint Shop Series Planning Co-op
  Mercedes-Benz U.S. International, Inc. (MBUSI), Vance, AL   August 2017-December 2017
- Implemented a vehicle tracking system using Cognex vision systems
- Trained over 30 maintenance team members to use vehicle tracking system
- Supported launch of new vehicle line throughout the plant

Mercedes-Benz Production System Co-op
  Mercedes-Benz Werk Sindelfingen, Sindelfingen, Germany   January 2017-April 2017
- Collaborated with international colleagues in German and English
- Developed proficiency with Lean Manufacturing concepts in production planning
- Supported a pre-production assembly line simulation; used standard process analysis to determine assembly line layout and optimize cycle time

Vehicle Technologist Co-op
  Mercedes-Benz U.S. International Inc. (MBUSI), Vance, AL   May 2016-August 2016
- Investigated and solved hardware and software issues in vehicles
- Communicated with multiple departments and teams to coordinate information
- Designed programs with Perl to organize production data

RELATED CONTINUING EDUCATION

Engineering Dynamics Corporation, HVE Reconstruction Training, October 2023

Michigan Association of Traffic Accident Investigators Conference, September 2023

South Carolina Accident Reconstruction Specialists Conference, July 2023

World Reconstruction Exposition Conference, April 2023

Engineering Dynamics Corporation, HVE Simulation Training, January 2023

Canadian Association of Technical Accident Investigators and Reconstructionists Conference, August 2022

South Carolina Accident Reconstruction Specialists Conference, July 2022