

James P. Carnes

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Education:

West Virginia University - Morgantown, WV

December 2019

Bachelor of Science in Industrial and Management Systems Engineering

Overall GPA: 3.55 | Major GPA: 3.88

Professional Experience:

Business Technology Analyst Summer Scholar

Deloitte Consulting LLP - Arlington, VA

June 2018 - July 2018

- Utilized agile software development practices to improve software applications used by client
- Created visualizations using SQL and Logi Analytics tool
- Performed GAP analysis between two databases to ensure all data required for visualizations and dashboards were present in new database
- Created data dictionary to track the name, source, and description of each data element used in a visual

Systems Engineering Intern

Leidos - Morgantown, WV

January 2018 - May 2018

- Created visualizations and dashboards using Arcadia Data to enable the client to make smarter, data-driven business decisions and give better insight on daily operations
- Interacted with Hadoop cluster using AWS ec2, SSH, and Jupyter Notebooks to investigate and manipulate large datasets
- Generated and organized data dumps on AWS S3 while maintaining excellent data integrity
- Performed daily audits on production software environment to ensure no defects were present

Manufacturing Engineer Co-Op

Altec Industries - Roanoke, VA

January 2017 - August 2017

- Project lead on events focused around the Industrial Internet of Things, including preventative maintenance and automated machine efficiency tracking
- Led and participated in weekly Rapid Continuous Improvement events focused on new product implementation and 5s improvements throughout the facility
- Participated in yearly value stream map to identify current state and implement kaizen events to achieve future state
- Implemented \$70,000 in cost savings

Teaching Assistant - Re-Engineering Management Systems Lab

Industrial & Management Systems Engineering - Morgantown, WV

August 2017 - December 2017

- Ensured all topics were thoroughly covered during lab to provide a strong learning environment for 50+ students
- Graded weekly technical reports and reinforced topics covered during lecture

Research Fellow

NASA WV Space Grant Consortium - Morgantown, WV

May 2016 - April 2017

- Conducted research for the creation of an Intelligent Packaging Routing Platform utilizing cost effective technology solutions to improve movement of packages throughout a commercial shipping warehouse
- Produced a working prototype that demonstrated capability congruent with research goals

Certified Phone Technician & Owner

Carnes Phone Repair, Affiliate of iCracked Inc. - Morgantown, WV

May 2015 - December 2017

- Registered small business owner in WV and trained 2 technicians on all iPhone models to help meet customer demand
- Over 500+ phones repaired and 30+ phones sold

Skills & Certifications:

- Six Sigma Green Belt Certification - IISE
- Agile Software Development
- Proficient with Power BI, Arcadia Data, and Logi visualization tools
- Data Science: SQL, Jupyter Notebooks, Pandas, Matplotlib
- Proficient in Python and Visual Basic
- Proficient in Microsoft Office, Excel, PowerPoint, and Project
- Operations Research
- Lean: Standard Work, Kaizen, Value Stream Mapping, 5s, One-Piece Flow, WIP Control

Awards & Organizations:

- NASA Space Grant Scholar
- WVU Industrial Engineering Alumni Academy Leadership Award
- 1st place 2017 Race to the Case Competition
- 2nd place IISE Technical Paper Competition
- 2nd place WVU Deloitte Case Study Competition
- Member of Alpha Pi Mu Honor Society
- President's List Fall 2017
- Dean's List Spring 2018

