

# Jordan Carman

4th year with strong analytical and creative problem-solving skills seeking an full-time engineering position to apply and expand my engineering experience

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## EDUCATION

### **Purdue University, West Lafayette, IN— Aeronautics and Astronautics Engineering**

August 2016 - Present, Anticipated Graduation: December 2020

GPA: 3.24/4.0

**Relevant Coursework:** Aerospace Systems Design, Aerodynamics, Air-Breathing Propulsion, Dynamics & Vibrations, Signal Analysis, and Product Data Management.

## EXPERIENCE

### **GE Aviation Test Systems Engineering Co-op, Cincinnati, OH**

January 2019 - August 2019

Supported test systems engineering aero and combustion component testing for military and commercial programs. Utilized six sigma techniques to consolidate 6 different aerodynamic flow sizing calculators used for any component or engine test to properly and efficiently measure flow. Authored and issued a design record book for this consolidated calculator. Carried out uncertainty analysis on the measurement of flow for Variable Cycle Advanced Technology programs.

### **GE Aviation Design Engineering Co-op, Cincinnati, OH**

May 2018 - August 2018

Supported the CFM LEAP TAPS fuel nozzle coking root cause mission through efforts on the Combustion Aero Design & Technologies team. Designed, setup, executed, analyzed, and presented data to a design review board for two flow visualization tests within this mission-based team. These discoveries helped decide on a fuel nozzle design change.

- GE Impact Award, 2018

### **GE Aviation Lean Engineering Co-op, Terre Haute, IN**

August 2017 - December 2017

Utilized lean to digitize standard work and standard WIP for the manufacturing of the CFM LEAP combustion engine. My developments in standard work and standard WIP reduced time on these processes by at least 20% while maintaining quality. Helped digitize 5 other important processes throughout the plant to quickly identify recurring issues.

### **ITaP, West Lafayette, IN - Customer Service Center Representative**

June 2017 - May 2018

Developed and implemented a two-factor authentication process, improving IT Cyber-Security for the Purdue student body of 40,000+ users. Solved issues with connecting to wifi, VPN, and software remote for Purdue students, faculty, and retirees. Successfully trained new student employees to solve these issues.

## SKILLS

Matlab, C, Excel VBA, VPython, Catia, Minitab, Teamcenter

## RELEVANT SCHOOL PROJECTS

**LEGO Creator Extreme Engines PDM Project, 2020 - Team Leader, A+**

**Oil Spill Prevention, Detection, and Containment Design Project, 2018 - Team Leader**

**A10: Aircraft Redesign Proposal, 2018 - Team leader, 2nd place**

**CGT Final Project, 2017 - Catia model, A+**

## LEADERSHIP/ORGANIZATIONS

**Triathlon Club, 2019-20**

**Women In Aerospace Club, 2017-20**

**Purdue Swim Club, 2016-17**

**Purdue Itasca Club, 2016**

## VOLUNTEER EXPERIENCE

**Boilerman Triathlon, 2019**

**GE Volunteer Chair, 2019**

- Organized 10+ volunteer events for over 250 co-ops

**Purdue Space Day, 2018**

**GE Volunteers, 2018**

- Painted with habitat for humanity
- Cleaned animal shelter for SAAP
- Organized donations for Matthew 25

## LANGUAGES

French