Ryan S. Fogle

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EDUCATION

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN   GPA: 3.83/4.0
Bachelor of Science in Agricultural Engineering   May 2021
Concentration in Off-Road Machinery
Dean's List

ILLINOIS CENTRAL COLLEGE | EAST PEORIA   GPA: 3.89/4.0
Engineering Undergraduate   2015-2018

EXPERIENCE

CATERPILLAR   Champaign, IL
Parallel Co-op Engineer, Remanufacturing   May 2019 - Present
- Designed multiple new fuel filter iterations for an injector to service it for a longer lifetime.
- Worked with remanufacturing engineers to devise new salvage processes.
- Identified salvageable parts and unsalvageable parts on injector families.
- Developed and implemented Python scripts for data analytics.
- Created new database collection scheme for injector test data saving engineers an hour a day in data entry.

CATERPILLAR   Mossville, IL
Student Trainee, Control Systems   May 2018 – December 2018
- Applied new data management techniques through simplifying a 18,000 rowed database table to 200 rowed table.
- Developed an in-depth Python algorithm for flash file compilation and compression which reduced file size by 90 percent.
- Implemented both back-end and front-end programming by creating graphical user interfaces.
- Maintained schedules for multiple programming projects.

ILLINOIS CENTRAL COLLEGE   East Peoria, IL
Mathematics/Physics/Computer Science Tutor   August 2017 – May 2018
- Coached students how to take limits, integrals, and derivatives.
- Taught students the importance of object-oriented programming.
- Tutored students in Calculus III, calculus-based Physics, and Java.

360 YIELD CENTER   Tremont, IL
Agronomy Intern   Summer 2016
- Collected and tested soil samples for nitrogen and pH on 360 SOILSCAN device.
- Gathered corn ears and calculated yield estimates in fields.
- Installed and uninstalled Y-Drop systems on field sprayers.

TECHNICAL SKILLS

Applications: Inventor, Creo, Git, Matlab, and MS Office
Programming Languages: Python, SQL, Java, and Visual Basic

HONORS and LEADERSHIP

- Illinois Central College Computer Science Club President and Founder   2018
- Illinois Central College President's List   2016-2018
- Phi Theta Kappa Honor Society Member   2017-2018