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
Dean's List

EXPERIENCE

CATERPILLAR — Champaign, IL
Data Analytics Intern, Machine IoT — March 2020 - Present
- Revised a REST application programming interface on a Flask framework.
- Used Python to parallel process and search the contents of 80,000 files.
- Created a parser with regular expressions to create conditional arguments for analyses.
- Created, updated, and maintained tables in a MySQL database.
- Served as team leader for summer interns.

CATERPILLAR — Champaign, IL
Parallel Co-op Engineer, Remanufacturing — May 2019 – March 2020
- 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.
- 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 – May 2019
- 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.
- 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.

TECHNICAL SKILLS

Applications: Inventor, Creo, Git, Matlab, MySQL, and MS Office
Programming Languages: Python, SQL, Java, JavaScript, and Visual Basic
Other Misc. Languages: HTML, CSS, JSON, and YAML

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