

David Folarin

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OBJECTIVE	A position in an agile team developing software and testing across the stack, with a focus on high use applications.
EDUCATION	<i>Bachelor of Arts, Computational Psychology</i> Cornell University, Ithaca, NY, May 2018
SKILLS	<i>Languages & Software:</i> Python, Django, Flask, Javascript, jQuery, React, C, C++, Unix, Rust, Java, Bash, R, Matlab, Simulink, Fusion 360
EXPERIENCE	<div><div><i>Associate Engineer</i></div><div>August 2019-Present</div><div>Caterpillar Innovation and Technology Division Building and Construction Products Plant, Clayton, NC</div><ul style="list-style-type: none">Solved in-production bugs related to joysticks previously neglected for 1500+ days, a problem which had already cost millions.Developed testing program for Telematics product using Selenium and other tools, quickly identifying outages.Programmed client for third party data acquisition software, enabling automatic, overnight calibration of in development machines.Led team of 5 in creation of automated testing program for small track type tractors and small wheel loaders, catching several regressions introduced in new machine software.Designed the plant model and several hardware pieces for upcoming Small Wheel Loader, enabling quick development of novel features.</div> <div><div><i>Data Analyst</i></div><div>Fall-Spring 2018</div><div>Psychology Department, Cornell University</div><ul style="list-style-type: none">Analyzed basketball shot data in support of Professor Gilovich's Hot Hand research program.Suggested and implemented new analysis in response to recent critiques of the study.</div> <div><div><i>Research Assistant</i></div><div>Fall-Spring 2017</div><div>Social Media Lab, Cornell University</div><ul style="list-style-type: none">Created survey website to collect sentiment data about Facebook AlgorithmsImplemented a novel pairwise ranking algorithm to analyze survey dataManaged Amazon Mechanical turk responsesCreated text munging scripts to reduce research assistant's workload</div>