

Nicholas Wibert

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[Click here to visit my personal website for projects and other information.](#)

EDUCATION

University of Florida B.S. Statistics, B.A. Mathematics Minor, Computer Science (3.82 GPA)	<i>Aug. 2018 – May 2022</i>	Florida State University M.S. Statistics (4.0 GPA)	<i>Aug. 2022 – Present</i>
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GENERAL SKILLS AND QUALIFICATIONS

Hard Skills <ul style="list-style-type: none">• Programming: R, Python, C/C++, MATLAB, SAS• Data manipulation / database reporting: Azure Databricks, Microsoft SQL Server, SSRS, Teradata, IBM Cognos Analytics• Data visualization: Tableau, matplotlib• Microsoft Office suite: Excel, Word, PowerPoint, etc.• Document formatting for code and statistical results: LaTeX, R Markdown, JupyterLab• Operating systems: Windows, macOS, Linux• Basic experience with source control using Git and GitHub	Coursework <ul style="list-style-type: none">• Statistics theory: probability, inference, prediction, regression modeling, classification, clustering methods• Applied statistics: experimental design, hypothesis testing, statistical process control, machine learning Soft Skills <ul style="list-style-type: none">• Fast learner, curious, internally motivated• Resourceful, effective problem-solver in ambiguous situations• Strong written/verbal communicator, active listener• Love getting to know people and collaborating on team efforts• A sense of humor
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WORK EXPERIENCE

Data Analyst Intern, CNH Industrial <ul style="list-style-type: none">• Intern with the North American PLC (Parts Lifecycle) team for a multinational agricultural + construction equipment company• Tasked with developing a custom tool for tracking and measuring demand forecast accuracy (specifically for brand-new parts in their first year of life)• Pulled demand data for new parts using IBM Cognos, and performed exploratory data analysis using Python to identify trends and significant factors which influence the first year of demand for a brand new part• Designed and packaged a custom GUI application using Tkinter which enables the PLC team to efficiently explore their data, track performance over time, and view recommended parts for review based on a simple recommendation system	<i>May 2023 – Aug. 2023</i>
Student Data Analyst, Publix Super Markets <ul style="list-style-type: none">• Intern with the Business Analysis & Reporting (BAR) Data Analytics team at a Fortune 100 Retailer tasked with creating an in-house replacement for automated narrative reports on inventory shrinkage (previously provided by outside contractor)• Used SQL to query/process shrink data and prototyped R script to produce dynamic text narratives which imitated current report• Worked with retail business units to identify areas for improvement in shrink reports + implement changes / features based on feedback• Developed business solution in Python, leveraging Pandas and ReportLab to design / generate dynamic PDFs from queried data with more actionable insights and visual appeal than the previous report• Built a recommendation system from the ground up based on a weighted scoring of several key metrics• Coded logic to change the tone of the report (positive/neutral/negative) based on the store's performance relative to similar stores• Deployed final script to the cloud as a Databricks notebook which is currently run by Publix every month, generating reports for all stores in under 1 hour and saving the company ~\$90k per year (annual cost of outsourcing the reports)	<i>May 2022 – Jul. 2022</i>
Database Specialist, Florida Department of Transportation <ul style="list-style-type: none">• At the State Materials Office in Gainesville, I write queries and create database reports for the FDOT Materials Acceptance and Certification Program (MAC) using Microsoft SQL Server + Reporting Services to query a database of 1 million+ records• Wrote a VBA program which leverages the MAC API to upload large quantities of samples/test results to the site at once• Acted as the sole go-to report-writer in the official launch of the Earthwork Records System (ERS)<ul style="list-style-type: none">◦ Worked directly with FDOT Earthwork Specialists throughout the state of Florida to design/maintain queries and SSRS reports which fit their various needs for book-keeping, checking specifications, flagging issues, etc.	<i>Mar. 2021 – Present</i>

ACADEMIC EXPERIENCE

Graduate Instructor (FSU Department of Statistics)	<i>Aug. 2023 – Present</i>
Graduate Teaching Assistant (FSU Department of Statistics)	<i>Aug. 2022 – May 2023</i>
Undergraduate Research Assistant (University of Florida)	<i>Aug. 2021 – May 2022</i>
Calculus 1 Learning Assistant (University of Florida)	<i>Aug. 2021 – Dec. 2021</i>

HONORS / AFFILIATIONS

• Best First Year Student in Computational Statistics (FSU Department of Statistics)	<i>2022–2023</i>
• Employee of the Month (FDOT State Materials Office)	<i>May 2021, Feb. 2022, May 2023</i>
• Phi Beta Kappa Honor Society, University of Florida Chapter	<i>Mar. 2021</i>