

Pedro Borges

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EDUCATION

University of Illinois at Chicago

MS Industrial Engineering

Awards: Top 10% of cohort scholarship

GPA: 4.0

Chicago, IL

Dec 2018 graduation

Coursework: Data Science, Visualization and Visual Analytics, Neural Networks, Time Series, Stochastic Processes and Queueing, Operations Research.

University of Minnesota

BS Chemical Engineering

BS Mathematics

Minneapolis, MN

2013

WORK EXPERIENCE

University of Illinois - Student Money Management Center

Graduate Assistant

Chicago, IL

2018 - Present

- Led marketing and social media interns to analyze trends and produce content that increased outreach by 15%
- Developed a desktop app that reduced report development time from 2 days to 10min (R, Shiny)
- Developed code and content to launch the new website <https://www.studentmoney.uillinois.edu/> (HTML)

DHL

Air Export Analyst

Chicago, IL

Summer 2018

- Developed pilot computer vision application that identified underutilized warehouse space and cargo traffic patterns (Python, Microsoft Azure, OpenCV)
- Trained boosted tree models to identify a process failure responsible for 5% of the KPI (Python, R, IBM Cognos)
- Developed interactive data visualizations that reduced the number of reports by 50% (R, Shiny, Microsoft PowerBI, VBA)

Education Pioneers - Chicago Public Schools

Data Analyst - Fellowship

Chicago, IL

Summer 2017

- Designed data strategy for CS4All, an initiative of the Office of Computer Science to provide access to equitable computer science education to all 400,000 CPS students
- Developed ETL tool to synchronize millions of data points (Python, MySQL, Microsoft SQL, GDrive)
- Developed dashboards with TB's of data and optimized speeds by over 50% (Tableau, SQL)

Sensient Flavors

Process Engineer

Chicago, IL / Harbor Beach, MI

2014 – 2016

- Identified over \$5MM/year of process improvement opportunities through design of experiment and time series analysis (R)
- Led 15 presentations of process improvement opportunities to vice-presidents and operation managers in the US, Mexico, Wales and France that lead to a reduction in wastewater operating cost by over 80%
- Managed groups of 10 plant staff and contractors through design, construction and startup of a \$20MM new plant expansion

LANGUAGE AND SKILLS

- Computer: SQL, Python, R, MATLAB, Tableau, HTML, basic C++ and basic Fortran
- Languages: Native Portuguese, fluent French, basic Italian and basic Spanish

Fun Fact: I was a volunteer Hazmat Firefighter at Harbor Beach, MI!