

WORK EXPERIENCE

Hillsborough County Public Schools

2020 July – Present

Data Strategist

2020 July – Present

Developed streamlined data analysis tools and processes to accelerate turnaround efforts in Hillsborough's lowest-performing schools, with grade histories of D and F according to FL DOE's accountability measures. Over the course of the 2020-2021 and 2021-2022 school years, Transformation Network supported a total of 45 schools serving more than 20,000 students, and over 80% of those schools improved their school grade, with several reaching a B rating and one reaching an A.

Notable projects:

- developed a Power BI report refreshed daily to apply FL DOE's school grade eligibility qualifications and contextualize students amongst their classmates
- integrated a variety of datasets from district SIS and external vendor systems (CSVs, JSONs, etc.) into Python-generated recurring Excel reports for "poolside" analysis of formative assessments (term borrowed from Paul Bambrick-Santoyo's "Driven by Data" books), MTSS/RtI "triangulation", and attendance monitoring
- added value to a decade-old analytics web application by analyzing the vendor's SQL Server back-end, updating role-based permissions, and developing custom queries for additional reporting
- developed a Power Automate flow to notify teachers of students needing intervention or closer monitoring in a vendor's online lesson platform, using Python to process exported usage data and recreate alert logic previously only available as JavaScript within an on-demand report

AMIkids

2016 Feb – 2019 Apr

Research Data Analyst

2017 Nov – 2019 Apr

Data Coordinator for Vocational Education & Job Placement

2016 Feb – 2017 Nov

Ensured the integrity of student data systems for approx. 4000 youth per year from 40+ program sites across FL, SC, NC, LA, MO, TX, GA, NM, and VA; analyzed, validated, and reported to support management, grant/contract compliance, and resource development, including need statistics for target areas for new grant applications using data from ArcGIS and Census Bureau; supported development of new student information system, validated & debugged migration, and began adapting management tools/processes.

City Year

2013 July – 2015 June

AmeriCorps Team Leader (TL) at Oak Ridge High School in Orlando, FL

2014 July – 2015 June

AmeriCorps Member (ACM) at Virgil Middle School in Los Angeles, CA

2013 July – 2014 June

Tutored and mentored students; coached and led a team of ACMs; supported data analysis for my team and several others; event planning and community outreach

EDUCATION

Georgia Institute of Technology

Graduated 2021 Aug

M.S. Analytics; GPA 4.00; Topics of note: Deterministic Optimization, Bayesian Statistics, Continuous Improvement, Privacy Regulations; Practicum project: "Modeling Student Attendance with Binomial Regression"

University of Florida

Graduated 2013 May

B.A. Economics, B.S. Psychology; Minor in Educational Studies; GPA 3.74, Cum Laude

CERTIFICATIONS & OTHER COURSEWORK

- Tableau Desktop Specialist 2020 May
- Qlik Data Analytics Certification 2020 May