

WORK EXPERIENCE

Annexa Inc.

2024 Jan – Present

Power BI Applications Architect (Contractor for DC Public Schools)

2024 Jan – Present

Developed and maintained Power BI reports and dashboards; Fabric dataflows and pipelines for extract/transform/load (ETL) processing; and Power Automate flows to improve monitoring of updates and errors

Hillsborough County Public Schools

2020 July – 2024 Jan

Data Strategist

2020 July – 2024 Jan

Developed streamlined data analysis tools and processes to accelerate turnaround efforts in 45 of Hillsborough's lowest-performing schools, with grade histories of D and F according to FL DOE's accountability measures. Over 80% of these "Transformation Network" schools, which serve over 20,000 students, improved their annual school grade; with several reaching a "B" rating and one reaching an "A".

Notable projects included:

- Power BI report refreshed daily to apply FL DOE's school grade eligibility qualifications and contextualize students amongst their classmates to identify the "lowest performing" quartile whose learning gains
- integration of a variety of datasets from district SIS and external vendor systems (CSVs, JSONs, etc.) into Python-generated recurring Excel reports for multi-faceted analysis of formative assessments, Multi-Tiered System of Supports (MTSS) / Response to Intervention (RTI) "triangulation", and attendance monitoring
- quality improvement of 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
- a Python script and Power Automate flow that reverse-engineered a vendor's HTTP requests and processing of students' raw online lesson completion data to flag needs intervention or closer monitoring and then notify their teachers; previously they needed to log into the platform at least daily to see if any students had pending flags

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 between SQL Server databases, 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

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
- Qlik Data Analytics Certification

2020 May

2020 May