AMANDA PALENCHAR

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EDUCATION

DATA ANALYTICS BOOTCAMP
The University of Denver
Present (est. completion: Nov. 2022)

MASTERS OF EDUCATION
Christian Brothers University
2013-2014

BACHELORS OF SCIENCE
LIFE SCIENCE OPTION
The Pennsylvania State University
2008-2012

EXPERTISE

Excel & VBA

Python

SQL

MongoDB

Flask

HTML

JavaScript

Tableau

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LEADERSHIP

EMERGING LEADERS COURSE
2017 - 2018: DSST Public Schools

HOLLYHOCK FELLOWSHIP
A selective professional development program for early career teachers at low income schools
2016 - 2017: Stanford University

TEACH FOR AMERICA
2012 - 2014

PROFESSIONAL PROFILE

As a former teacher and dean, I have used data analysis to identify patterns, priorities, and potential root causes. In seeking employment within data analytics, I hope to expand my impact in the creation of and response to data systems.

EXPERIENCE

DEAN OF STUDENTS

Denver School of Science & Technology Public Schools / Denver, CO / 2017 – 2022

- Created schoolwide culture systems:
  - Triangulated multiple data sources (student demographics, discipline, grades, etc.) to identify school needs and design systems responsive to culture priorities
  - Analyzed data synthesized from multiple platforms to proactively and reactively identify and address school culture gaps with research-based strategies
  - Refined procedures for completion and management of detail-oriented paperwork containing highly sensitive student information
- Developed school community and staff capacity:
  - Conducted meetings celebrating, investing, and coaching students, families, and staff in specific aspects of school culture (e.g. attendance, Honor Roll, athletics, etc.) with audiences ranging from 50-400 individuals
  - Supervised teachers, social workers, and Dean of Culture to regularly collect and interpret role-specific data and to create relevant action plans
  - Empowered teacher leaders in fostering strong team and alignment among teachers through bi-weekly meetings in which grade level chairs engaged in goal-oriented team building, data analysis, and problem-solving protocol
- Streamlined schoolwide communication and logistical systems:
  - Organized staff access and utilization of common, long-lasting resources by launching and maintaining an external hub
  - Established processes for traditions and events intended for large audiences (up to 1,500) including graduation, prom, and advisory (e.g. student enrichment)

SCIENCE TEACHER: Chemistry, Biology, & AP Biology

DSST Public Schools / Denver, CO / 2015 – 2017

- Led 11th grade teachers as the Grade Level Chair in creating and implementing culture strategies for the founding class
- Adapted chemistry curriculum to fit student population needs with a heavy focus on gaps identified from data analysis of classwork and assessments

SCIENCE TEACHER: 8th Grade Science, Biology, & AP Biology

Memphis School of Excellence / Memphis, TN / 2012 – 2015

- Designed curriculum that improved student proficiency by 50% and 63% for 8th grade science and 10th grade biology, respectively