Jason Becker

Data Strategist

Contact

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Computer Skills

Basic: Python, Java, XML, WEAVE, SPSS LaTeX

Intermediate: SQL, Stata, HTML, CSS, Basecamp, Microsoft Project, Microsoft Visio, Microsoft Access, Linux

Advanced: R, Mac OSX, Microsoft Windows, Microsoft Office

Education

Urban Education Policy, A.M., *Brown University.*	**2009-2010**
Summa Cum Laude	
Chemistry, Sc.B., *Brown University.*	**2005-2009**

Experience

Director of Data   **2014–Present**

ALLOVUE, Baltimore

Inform design of core Allovue data functions, from customer data acquisition and integration to application data model design. Perform original research and analysis of school district financial data to be incorporated into Allovue software for easy access across all customers. Conduct sales engineering activities and build relationships with partners through thorough business analysis and a deep understanding of how to help school districts form great questions and ensure that Allovue can serve as the solution to those questions.

Achievements:

- Design ETL architecture for easy integration with a wide variety of school district source accounting systems.
- Design an innovative database model which ensures compatibility with any chart of account data.
- Develop analysis products for potential customers to demonstrate the value of Allovue.

Strategic Data Analyst   **2012–2014**

ANNENBERG INSTITUTE FOR SCHOOL REFORM, Providence.

Cleaned and munged seven years of Providence Public School District data. Developed a predictive model of high school success based on early indicators from grades 6-11.

Achievements:

- Adopted and developed business rules to deal with common data challenges and implemented these rules using R.
  - Contributed to eeptools, an open source R package for education data analysts.
- Developed a predictive model based on middle school data that identifies students at risk of not graduating that is being incorporated into new reports available to guidance counselors, teachers, and external partners.
- Presented research at the College Readiness Indicators Systems Emerging Knowledge Forum on how to engage community groups in comprehensive systems of support for high school students.
- Lead conceptualization, writing, and submission of Institutes of Education Sciences Researcher-Practitioner Partnership grant with the Annenberg Institute of School Reform and Providence Public School District as key partners.

Research Specialist   **2010–2012**

RHODE ISLAND DEPARTMENT OF EDUCATION, Providence.

Developed project plans, lead weekly status meetings, monitored cross-project dependencies, documented business requirements, and co-architected integration solutions for technical projects. Co-designed logical data models and documented validation rules for new data collections. Developed the quantitative measures for accountability systems.

Achievements:

- Systems Integration
  - Co-managed cross-project dependencies and priorities for all technical projects related to Race to the Top and the State Longitudinal Data Systems Grant.
  - Assisted leadership to make resource allocation decisions based on complexity of implementation, cost, and importance for end users.
  - Co-developed use-cases and process maps of complex integration between external vendor products and other internal or external data systems. Developed and approved processes for data access, sharing, and integration to remedy gaps in existing data products by collaboratively developing feasible technical or business process solutions.
  - Developed process maps for complex quality assurance needs like teacher roster verification.
- Data Collection
  - Co-designed the logical data model for the first statewide teacher-course-student data collection. Greater than 75% of students were reported properly to the state daily within the first two months of implementation in school-year 2012-2013.
- Automated Data Reporting and Analysis
  - Constructed data profiles with over 100 graphics and tables per school using SQL to provision the data and R to generate HTML profiles for each school.

Teaching

Adjunct Lecturer, *Brown University,* Providence.   **2013**
Taught Evaluating the Impact of Social Programs, an upper-level education policy and public policy course focused on experimental and quasi-experimental methodology.

Guest Lecturer, *Brown University,* Providence.   **2012–2013**
Invited guest lecture to undergraduate and graduate-level economics of education courses. Subjects include education finance equity and the economics of federalism