

# Angela Baltes

## *Curriculum Vitae*

### EDUCATION

- 08/2020      **Doctor of Philosophy, Biomedical Informatics**  
*Rutgers University, Newark, NJ*
- 05/2014      **Master of Science, Information Technology**  
*Azusa Pacific University, Azusa, CA*
- 12/2012      **Master of Public Administration**  
*University of New Mexico, Albuquerque, NM*
- 12/2008      **Bachelor of Arts, Criminology**  
*University of New Mexico, Albuquerque, NM*

### EMPLOYMENT

- 2019-Pres    **Institutional Data Scientist**  
*University of New Mexico, Office of Institutional Analytics, Albuquerque, NM*  
Description: Provided analytical expertise to the university influencing initiatives, strategic planning and resource alignment. Worked on a collaborative team of researchers that developed interactive tools and machine learning models to aid in transparency and leveraged actionable data for dissemination.
- 2019-2020    **Data Science Intern**  
*Office of The Director of National Intelligence, Albuquerque, NM*  
Description: Worked on a team of data scientists to develop effective visualizations to generate insight from datasets.
- 2017-2018    **Senior Data Analyst**  
*RESPEC/DataBasis, Albuquerque, NM*  
Description: Designed geolocation tools from combined datasets to provide visual and quantitative assessments of patient disparities.
- 2018-2018    **Health Informatics Intern**  
*Centers for Disease Control and Prevention, Albuquerque, NM*  
Description: Optimized digital metrics code base to influence decision making and make recommendations at an enterprise level. The goal was to disseminate information in an effective manner to patrons seeking health information from The CDC.

- 2016-2017 **Quality Analyst**  
*Lovelace Medical Center, Albuquerque, NM*  
 Description: Performed quality process improvement regarding infectious disease and hospital operations to implement solutions and evaluate the effectiveness of interventions.
- 2015-2016 **Health Data Analyst**  
*Innovative Oncology Business Solutions, Albuquerque, NM*  
 Description: Delivered tools that were essential to improve the value in data mining and reporting to inform the status of business, oncology research, patient utilization and cost of care.
- 2014-2015 **Reporting Analyst**  
*The Kentah Group, Albuquerque, NM*  
 Delivered analyses that were necessary in meeting performance metrics and providing actionable information to improve processes. Participated in collaborative activities for continuous improvement and value discovery.
- 2013-2014 **Data Analyst**  
*Joerns Healthcare, Chatsworth, CA*  
 Description: Developed data-driven solutions and reports that provided status of delivered medical equipment, performance metrics, and customer satisfaction. Monitored sensitive information and provided quality assurance.
- 2004-2010 **Student Intern**  
*Sandia National Laboratories, Albuquerque, NM*  
 Description: Provided analyses, technical support, and software engineering expertise as a student employee to several departments within Sandia National Laboratories.

## HONORS/AWARDS

- 2020/2016 **Scholarship Award**  
*Alice L. Haltom Educational Fund*
- 2008 **Scholarship Award**  
*Sallie Mae Educational Fund*
- 2008 **National Scholarship Award**  
*American Criminal Justice Association*
- 2007 **Honor Society**  
*Alpha Kappa Delta Honor Society Induction*
- 2006 **Scholarship Award**  
*National Science Foundation*

## CERTIFICATES

- 2019      **Machine Learning Nanodegree**  
*Udacity*
- 2019      **Data Scientist Nanodegree**  
*Udacity*
- 2019      **Complete Python Bootcamp**  
*Udemy*
- 2019      **Learning Python for Data Analysis**  
*Udemy*
- 2019      **NLP Natural Language Processing with Python**  
*Udemy*
- 2019      **Data Analysis with Python**  
*Cognitive Class*
- 2019      **Disease Clusters**  
*Coursera*
- 2019      **Python for Data Science and Machine Learning**  
*Udemy*
- 2019      **Six Sigma Green Belt Specialization**  
*Coursera*
- 2019      **AI for Everyone**  
*Coursera*
- 2019      **Epidemiology for Public Health Specialization**  
*Coursera*
- 2018      **Epidemiology: The Basic Science of Public Health**  
*Coursera*
- 2015      **Certified Quality Process Analyst**  
*American Society for Quality*

## RESEARCH/PROJECTS

- 2016-2020     **Analyzing Cardiac Medical Devices with a Machine Learning Approach**  
This project seeks to leverage information contained within unstructured clinical text of medical device failures to develop a machine learning approach for proper identification and classification of cardiac failures.

## PUBLICATIONS

- 2016           Dooling D, Kim A, McAneny B, et al. **Personalized Prognostic Models for Oncology: A Machine Learning Approach.** 2016;:1–28.<http://arxiv.org/abs/1606.07369>

## PROFESSIONAL AFFILIATIONS

- 2020-Pres     **Association for Institutional Research**  
*Membership ID: 103304*
- 2018-Pres     **Association for Computing Machinery**  
*Membership ID: 6220607*
- 2017-Pres     **American Medical Informatics Association**  
*Membership ID: 173936*
- 2015-Pres     **American Society for Quality**  
*Membership ID: 65264125*

## INTERESTS/SKILLS

Machine Learning, Natural Language Processing, Statistical Modeling	Managed Care, Clinical Operations, Clinical Research	Advanced Analytics, Data Visualization, Text Mining, Geoanalytics
R, Python, SQL, MySQL, SQLite, TeraData, Tableau	Public Health Informatics, Surveillance	Data Mining, Big Data