Charles E. Wiles IV

**Data Science For The Greater Good**

**Background**

***Enthusiastic Data Scientist and Proven Leader with a Passion for Evidence-Based Decision Making, Analytical Rigor, Process Development, and Data Pipelines.***

* Design, engineer, and manage systems to identify and deliver high level insight about CRS’s best prospective donors
* Create and manage systems that collect data on donor/fundraiser interactions optimized for analytics and model creation aimed at improving fundraiser effectiveness (prospect management)

* Create and manage minable systems to dynamically deliver detailed research about CRS’s best prospective donors (prospect research)
* Able to explain, train, validate, and apply machine learning models. Accustomed to data munging
* Serve as data science SME while leading a team of three analysts in a dynamic environment with shifting priorities
* Co-led the creation of a data warehouse in Redshift to enable model construction and advanced analytics using Agile processes

**Skills**

Machine Learning

Data Mining

Data Engineering

Forecasting

Data Munging

Coding

Leadership

Open Source Intelligence Analysis

Financial Intelligence Analysis

Prospect Research

Prospect Management

Writing and Editing (Science, Proposal, Grant)

**Areas of Interest**

Full Stack Data Science

Data Engineering

Statistics

Databases

Data Architecture

Open Source

Dynamic Dashboarding

Intelligence Analysis

Coding

**Experience**

2015-Present **Predictive Analytics and Prospect Data Manager**

Catholic Relief Services | Baltimore MD

2014-2015 **Predictive Analytics Lead**

Catholic Relief Services | Baltimore MD

2013-2014 **Assistant Director for Research and Special Projects**

Gilman School | Baltimore MD

2010-2013 **Prospect Research Manager**

Gilman School | Baltimore MD

2008-2010 **Assistant Director of Development**

Brady Urological Institute, Johns Hopkins Hospital Baltimore MD

**Languages / Software**

Python (Data)

SQL

Tableau

JIRA

Command Line

Bitbucket/ Github

R (Basic)

AWS

Azure

**Contact**

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**Education**

**Graduate Certificate, Data Mining, 2015**

University of California, San Diego

**Master of Arts, History, 2007**

Boston College

**Bachelor of Arts, History, 2006**

Boston College