Michael Lee

Data Scientist

CONTACT

Location	Washington, DC
Email	mdlee12@gmail.com
Phone	(414) 550-3410

EDUCATION

2011 – 2013 — **MASTER OF ARTS, URBAN EDUCATiON AND LEADERSHIP**

Cardinal Stritch University
Milwaukee, WI 53217

2007 – 2011 — **BACHELOR OF SCIENCE, PSYCHOLOGY**

University of Wisconsin – Madison
Madison, WI 53706

TECHNICAL SKILLS

Web Design

HTML, CSS – Basic knowledge and editing capabilities in website structure and styling

D3 JavaScript – Basic knowledge of implementing visualizations using D3

Data Toolbox

R - Fluency in advanced packages used to scrape, clean, model, statistically test, and visualize large data sets (ex: rvest, ggplot2, dplyr, tidyr)

SQL - Scripted, diagnosed, and retrieved data from relational databases in education (PowerSchool) and sports (Lahman's Baseball Database)

Python – Experience using the Python programming language

Excel – Mastery of advanced functions (pivot tables, formulas, filters, formatting, etc.)

Operating Systems

Mac, Linux, Windows, Android – Proficiency with business/open source tools

PROFESSIONAL EXPERIENCE

2014 – 2015 — **INDEPDENENT CONTRACTOR / FREELANCE**

Ballengee Group

- Exclusively using R statistical software, I scraped HTML tables from baseball-reference.com to retrieve historical performance, draft, and salary data to calculate and model salary expectations for over 80 major and minor league baseball players across a 10 year period.

www.middlee.com

- Personal website of data visualizations, analysis implemented with Bootstrap

2013 – 2014   **DATA ANALYST**

See Forever Foundation – Americorps VISTA

- Analyzed student performance data and literature to identify trends and answer key questions for staff and board members.
- Performed analyses of quantitative student information using R, SQL and Excel
- Supported data handling and validation to provide student performance information to staff
- Documented operating procedures for the data department to enhance data infrastructure

2011 – 2013   **SPECIAL EDUCATION TEACHER**

Milwaukee Public Schools

- Collaborated with staff to create education plans for students with significant learning challenges
- Moderated behavior charts and implemented effective classroom management techniques
- Assisted in the revision of the school-wide behavior management syustem to be implemented in the 2013/14 school year
- Utilized performance data to develop lesson plans, activities, and interventions appropriate for students with cognitive disabilities