**Charles Scott Ahmer**

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# EDUCATION

**Bachelor of Business Administration (BBA) — Business Analytics & Information Systems**

*University of Iowa* · Iowa City, IA *Graduated May 2023*

Minor: *Computer Science* · Cumulative GPA: *3.62*/4.00 · Dean’s List (7 Semesters): Spring 2020-Spring 2023

# TECHNICAL SKILLS / TOOLS

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Python**Libraries: pandas, NumPy, SciKit-Learn, BeautifulSoup, Matplotlib, Jupyter NB, etc. | **R Programming**Packages: dplyr, tidyr, ggplot2, etc. for analysis/ML | **Excel**Tools: Pivot Tables/Pivot Charts, LOOKUP Functions, Data Cleaning | **Tableau/Power BI**Tools: Importing Data, Creating visuals, Dashboarding | **SQL Queries**Software: Oracle SQL, Microsoft SQL Server, Azure SQL Database |
| Data Mining- R/Python | Data Wrangling- data cleaning/preparing | Data Analysis & Visualization- Tableau/Power BI | Data Engineering- Azure, ETL, Data Pipelines | Database management- SQL Databases |

# RELATED WORK EXPERIENCE

Analytics Consulting Intern

*University of Iowa Tippie Analytics Cooperative · Iowa City, IA June 2022 - August 2022*

* Developed online surveys, a streamlined REDCap database, and an automated inventory system for Iowa Harm Reduction Coalition (IHRC) to significantly improve data collection practices.
* Utilized dynamic Tableau dashboards to convey cost savings of the Linn County Mental Health Access Center, resulting in increased funding for the organization.
* Fostered strong client relationships through requirement gathering, offering end-user support, and providing detailed instructions.

# PROJECTS – (See <https://cahmer.com/> for more)

PGA Tour Data Collection and Dashboard

Personal Project · <https://github.com/charlie-ahmer/PGATour-DataCollectionAndDashboard> · July 2023

* Utilized *python*(requests, json, pandas, numpy) to obtain accurate data from PGATour.com using the website’s *GraphQL* API.
* Exported data as a CSV file, completed exploratory data analysis (EDA) using *python*’s Matplotlib and seaborn libraries.
* Added various tables in *Excel* prior to uploading in *Tableau* to create an aesthetic *interactive dashboard* for PGA Tour player stats and trends.

Microsoft Azure Data Models and Dashboard

Data Engineering Course Project · May 2023

* Created *data pipelines* (Azure Data Factory) to populate data from various *views/JSON* into custom Azure tables/containers.
* Connected data from Azure to *Power BI* to create a dashboard of insightful visuals.
* Became *Microsoft Certified: Azure Data Fundamentals* (passed DP-900 Exam)

Data Monetization for FavTrip

BAIS Capstone Project · May 2023

* Team collaborated weekly with a sponsor to find ways to monetize FavTrip’s transactional data and define business requirements.
* Using *RStudio*: cleaned FavTrip’s data, packaged data for potential buyers, conducted basket analysis through teamwork.
* Imported clean data to *Tableau* to create an *interactive dashboard* containing key findings and visuals.

# ADDITIONAL EXPERIENCE

Competitor

*U.S. Information Technology Collegiate Conference · Plano, TX March 2023*

* Placed among the top-5 in a national competition performing *Microsoft Office Solutions* case study assessing a wide variety of skills in Excel, Word, and PowerPoint.
* Developed proficiency in *C#* and the *.NET framework* through self-directed learning to compete in an application development competition.
* Demonstrated problem solving skills and ability to work under pressure while developing strong IT skills and experience.

Bartender/Server

*Bo James Bar & Restaurant · Iowa City, IA April 2022 - April 2023*

* Demonstrated exceptional communication and interpersonal skills, fostering positive relationships with diverse customers, and enhancing overall customer experience.