JACOB J. IGEL

https://www.linkedin.com/in/jacobigel/, igeljj@gmail.com, (513) 578-2657

Education

Miami University-Oxford, OH   **Graduation: May 2023**
Major: Information Systems and Analytics   GPA: 3.5
Minor: Computer Science

Technical Skills

Programming Languages: Python, R, SQL, Java, JavaScript, HTML5, CSS3, Node.JS
Software: GitHub, Visual Studio, RStudio, Eclipse, SQL Developer, Microsoft Office Suite, Power BI, Tableau, Salesforce
Operating Systems: macOS, Windows
Other Skills: PySpark, DataBricks, Data Mining, Data Cleaning, Web Scraping, Machine Learning Algorithms, API, Business Analytics, Database Systems, Applied Regression Analysis, Managing Big Data, Data Visualization, Quantitative Analysis, Object Oriented Programming, Advanced Google Analytics

Relevant Coursework and Projects

- **Developed** trend-based forecasts by utilizing R to clean and analyze 100K data points of student retention data while simultaneously forecasting potential future trends with machine learning algorithms
- **Collaborated** with a team to create a fully functioning website while using AGILE methodology in a Software Engineering environment with PHP and HTML/CSS
- **Interacted** with Python by incorporating Twitter APIs and data from web scraping to then create a sentiment analysis based on Tweets during the 2022 Midterm Election

Experience

Student Assistant   January 2023 – May 2023
Miami University   Oxford, OH

- **Analyze** 300 lines of code per assignment submitted through student assignments, conducting quantitative analysis to assess student programming language skills and quality of code; established bi-weekly office hours to facilitate continual learning
- **Consolidate** data across 30 students and prepare weekly performance metric reports, conducting ad hoc analysis and providing insight into student performance
- **Facilitate** continual learning by hosting bi-weekly office hours and provide feedback to students to improve programming and/or technical skills

Business Development Intern   June 2020 – August 2020
Ingrid Vocal Studio   Cincinnati, OH

- **Increased** client base by 10% by benchmarking 30+ websites and identifying new content opportunities that delivered on the newly established website strategy: acquire remote students (vs. location-based)
- **Analyzed** Google Analytics data to optimize search results and improved website traffic by 18%
- **Defined** a strategy and objective for each social media platform (FB, Instagram, YouTube) based on consumer research completed to understand how users were leveraging each platform in this space

Leadership Experience

Drumline Section Leader   September 2021 – December 2022
Miami University Marching Band Drumline   Oxford, OH

- **Oversaw** 25 members and increased drumline capability by leading sectional training 4 times per week
- **Motivated** team by focusing on their individual goals and encouraging them until they were achieved
- **Simplified** equipment quality and inventory protocols, enabling a 20% reduction in equipment repairs

Vice President   January 2022 – December 2022
Tau Beta Sigma   Oxford, OH

- **Led** the development of 30+ members and ensured adherence to organizational/university guidelines
- **Redefined** social strategy by influencing members to actively engage in external events
- **Advanced** external relationship strategy, leading to 3 new partnerships with off-campus organizations