Andrew Gervais

agervais25@outlook.com | (614) 619-8018 | linkedin.com/in/andrewjgervais

EDUCATION

The Ohio State University   **Columbus, Ohio**
Bachelor of Science in Data Analytics   *Spring 2026*
Specialization: Business Analytics | Minor in Quantitative Economics   *GPA 3.72/4.00*
Relevant Coursework: Calculus II, Linear Algebra, Classical Physics, Data Structures & Algorithms, Software Design, Discrete Structures, Statistical Probability, and Linear Optimization Analysis

SKILLS

Tools: Java, JavaScript, Python, R, HTML, SQL**,** Tableau, Microsoft Office Suite (Word, PowerPoint, Access, and Excel)
Languages: English & Spanish

WORK EXPERIENCE

Audiology Express   **Dayton, Ohio**
Data Analytics Intern   *May 2024 – Aug. 2024*
- Collaborated on building a predictive model using linear regression to forecast demand in new regions based on demographic and economic factors, enabling targeted expansion into 2 high-potential markets
- Applied clustering algorithms to group nearby nursing homes, schools, and VA facilities, and developed linear regression models to predict travel times based on distance, traffic, and location type (urban vs. rural), improving audiologist productivity and optimizing service routes to reduce average travel costs by 9%
- Conducted comprehensive data cleaning, transformation, and visualization using Excel, to identify trends and insights, which directly informed process improvements and enhanced operational efficiency

INVOLVEMENT

oSTEM   **Columbus, Ohio**
Active Participant   *Feb. 2024 – Present*
- Partner with queer peers to organize initiatives, such as workshops, panel discussions, and awareness campaigns, that educate and spread awareness about LGBTQ+ issues, challenges, and allyship within the STEM community
- Contribute to creating a safe and supportive environment for queer individuals by facilitating networking events and resource sharing platforms to connect, share experiences, and advance their careers in STEM

Big Data & Analytics Association   **Columbus, Ohio**
Active Member   *Sept. 2023 – Present*
- Engage in 6+ guest lectures and data visualization seminars, strengthening proficiency in SQL, Tableau and machine learning concepts while applying academic coursework to hands-on analytics challenges
- Participate in hands-on workshops and seminars focused on machine learning, predictive analytics, and data visualization techniques to enhance technical expertise

PROJECTS

Carbon Credit Trading Component – *Java*
- Engineered and implemented a Java-based software component to model carbon credit trading, utilizing object-oriented programming (OOP) principles and data structures (Map & List) to create a modular system with kernel and secondary methods for tracking emissions, purchasing credits, and calculating limit penalties
- Simulated real-world carbon trading scenarios by incorporating environmental economics concepts such as carbon pricing, emission limits, and offset strategies, and validated the model's accuracy through test cases

Genome String Reassembly – *Java*
- Created a Java-based algorithm to reassemble fragmented strings, inspired by DNA sequence reconstruction techniques from the Human Genome Project by utilizing Set data structures and greedy optimization to efficiently merge overlapping fragments, optimizing for performance and scalability
- Employed test-driven development (TDD) with JUnit to validate functionality, ensure robustness and scalability for large datasets (1000+ fragments), and to validate the handling of empty or non-overlapping string fragments, as well as integration tests to verify the correctness of the various method in reconstructing fragmented text
- Applied computational biology concepts and leveraged object-oriented programming (OOP) to handle edge cases, custom delimiters, and large-scale text reconstruction, simulating real-world genome reassembly challenges