

# Benzon Carlitos Salazar

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## EDUCATION

**University of Wisc. - Whitewater**  
**MS in Computer Science**  
**December 2025 | Whitewater, WI**  
GPA: 3.66 / 4.0

**BS in Computer Science**  
**December 2020 | Whitewater, WI**  
GPA: 3.76 / 4.0

## COURSEWORK

### GRADUATE

Advanced Algorithm Design and Analysis  
Cloud Computing  
Optimization Techniques  
Software Testing  
Big Data and Data Mining  
Advanced Software Engineering  
Machine Learning

### UNDERGRADUATE

Data Structures  
Database and Web Design  
Software Engineering  
Cryptography and Network Security  
Computer Organization  
Database Management Systems

## SKILLS

### PROGRAMMING

Python • SQL • R  
Java • C • JavaScript

### MISCELLANEOUS TECH.

Linux • Git • Docker  
REDCap • Tableau • Alteryx

### CERTIFICATIONS

Epic: { Cogito • Clarity Data Model •  
Caboodle Data Model • Clinical Data Model  
• Access Data Model • Cosmos Data Model }

## EXPERIENCE

**ADVOCATE AURORA RESEARCH INSTITUTE | Research Programmer Analyst**  
**September 2025 - PRESENT | Milwaukee, WI (REMOTE)**

- Rejoined Advocate Aurora to support clinical and outcomes research by building and maintaining analytics pipelines and analysis-ready datasets.
- Develop and maintain ETL workflows and data quality checks using SQL, R, Python, and Java to improve reproducibility and turnaround time for IRB-approved studies.
- Partner with researchers and cross-functional stakeholders to translate study requirements into curated datasets, documentation, and repeatable extracts aligned with HIPAA/IRB governance.

**EMORY UNIVERSITY | Informatics Analyst II**  
**May 2024 - August 2025 | Atlanta, GA (REMOTE)**

- Led end-to-end data engineering and analysis efforts across Emory and Grady's OB-GYN and internal Department of Medicine departments, as well as national-scale data from Epic Cosmos, collaborating with cross-functional teams including clinicians, researchers, and project managers to deliver data-driven insights for research and operational decision-making.
- Extracted, cleaned, and transformed clinical data from Epic (Clarity, Caboodle), Cerner, and internal data warehouses using SQL, Python, and R to support IRB-approved studies, quality improvement initiatives, and regulatory reporting.
- Piloted and implemented proof-of-concept pipelines integrating biomedical informatics standards, ensuring reproducibility, interoperability, and alignment with HIPAA, Emory IRB, and institutional data governance policies.

**VIVENT HEALTH | Health Informatics Data Analyst**  
**Dec 2022 - May 2024 | Milwaukee, WI**

- Compiled, integrated, and maintained large-scale clinical and operational datasets from Epic Systems and Provide Enterprise using SQL, Python, and internal ETL pipelines, enabling streamlined access to reliable, high-quality data for strategic decision-making.
- Built interactive dashboards and visualizations in Tableau to communicate performance trends and operational insights to clinical, administrative, and executive stakeholders, improving transparency and facilitating data-driven decision-making.
- Developed and deployed machine learning models using Python and Tableau to support clinical decision-making and optimize resource utilization, helping to resolve critical operational bottlenecks and improve healthcare delivery.

**ADVOCATE AURORA RESEARCH INSTITUTE | Research Programmer Analyst**  
**Jan 2021 - Dec 2022 | Milwaukee, WI (REMOTE)**

- Designed and maintained core applications and pipelines supporting collaborative clinical and outcomes research, contributing to the development of a Virtual Data Warehouse written in Java to streamline data access and integration across institutional sources.
- Built and deployed automated ETL workflows using Java and R to extract, clean, and transform clinical and administrative data across both on-premises and cloud environments, significantly reducing data preparation time for analysts and investigators.
- Improved data quality and reproducibility by implementing scalable features and scripting solutions (SQL, R, Python) that generated analysis-ready datasets aligned with HIPAA, IRB, and institutional governance protocols.

## PROJECTS

**Networked Ensemble of Swarm Things (NEST) – Vision-Based Verification of Crazyflie Formations**

- Project repository: [https://github.com/carlliitos/intelligent\\_drone\\_swarm](https://github.com/carlliitos/intelligent_drone_swarm)