Bruno Garcia

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Education

University of Michigan, Ann Arbor, MI — May 2027
Bachelor of Science, Statistics and Data Science
***Relevant Coursework**: Data Structures and Algorithms, Object Oriented Programming, Discrete Math*

Experience

Michigan Medicine, Ann Arbor, MI — May 2025 – Dec 2025
Data Analyst

- Analyzed prescription dispensary data across **90M+ patients** using the IQVIA Longitudinal Prescription Database, covering **93.6%** of U.S. retail pharmacies, to support and analyze data for clinical research.
- Cleaned and standardized **100K+** pharmacy records using **SQL + SAS**, producing analysis-ready patient-level cohort tables with validated demographic and prescription fields used across multiple ongoing research projects and publications.
- Generated medication usage summaries with time-series metrics tracking dispensing trends, refill patterns, and how consistently patients followed prescribed regimens over multi-year observation windows across diverse patient populations.
- Delivered conference-ready and journal-ready tables and figures by collaborating directly with clinicians and biostatisticians on weight-loss medication and cystic fibrosis therapy and allergy medication analyses.

InRiva AI, Philadelphia, PA — Jun 2025 – Aug 2025
Software Engineer Intern

- Processed CGM datasets containing **10K+** glucose readings using **Python (Pandas)**, resolving missing timestamps, invalid sensor values, and duplicate entries to produce analysis-ready data across **50+** patient profiles.
- Built daily patient insight summaries using **Python** and **Matplotlib**, computing average glucose, time-in-range, and glycemic variability metrics across **50+ patients** to create easy remote downstream clinical analysis for patients.
- Developed a reusable **data cleaning** and reporting **pipeline** that output standardized per-patient CSVs to be and analyzed for consolidated metrics dashboards for the analytics team and patients

Projects

Grant Language Filter | Python — Jun 2025 – Aug 2025

- Reduced manual review time for a **1,000+ page** NIH proposal by building a **Python** tool that scans full documents for high-risk terms, extracts flagged occurrences from body text and embedded figures using automated PDF parsing and keyword matching, and outputs a structured report with page numbers and context for each flag.

COVID Cases Analyses | Python, SQLite, BeautifulSoup, Matplotlib, REST APIs — Feb 2025 – Apr 2025

- Built a normalized dataset across all **50 U.S. states** by integrating COVID case data, election outcomes, and demographics using **Python + SQLite** with **REST APIs** and **BeautifulSoup**
- Quantified per-capita COVID burden across political and demographic groups by joining case rates with county-level vote share, median income, and racial composition, using **SQLite** then produced multi-panel visualizations using **Matplotlib** to communicate trends across income quartiles and demographic dimensions.

Summer Camp Website | HTML, CSS, JavaScript — Aug 2025 – Aug 2025

- Designed and developed the official Camp AG website using **HTML, CSS, and JavaScript**, delivering a centralized hub for **150+ campers and families** across the summer season
- Implemented a **fully responsive** layout with **CSS Flexbox/Grid** and **media queries**, ensuring consistent cross-device performance and reducing mobile formatting issues by **$\tilde{90}$%**

Skills

Languages: Python, HTML/CSS, Swift, SQL, C++, C, C#, Java, R, JavaScript
Tools: Git, SQLite, CoreData, BeautifulSoup, REST APIs, JSON, Docker, Linux, Tableau, Excel
Libraries: React, SwiftUI, UIKit, Matplotlib, Pandas, scikit-learn
Interests: Rock Climbing, NBA Analytics, Crime Solving TV, NFL