Bruno Garcia

734-215-7576 | brunohg@umich.edu | linkedin.com/in/brunohg | github.com/garciahbruno

EDUCATION

University of Michigan   Ann Arbor, MI
Bachelor of Science - BS, Statistics and Data Science   *Aug. 2024 – May 2028 (expected)*
GPA: 3.8

EXPERIENCE

Michigan Medicine   May 2025 – Present
Research Assistant   *Ann Arbor, MI*
- Conducted data analysis for **3+ clinical research papers**; contributed to visualizations and model diagnostics for publications.
- Automated internal tasks (inventory, document handling) using **Python**, reducing manual effort by **30+ hours/month**.
- Processed and analyzed **100K+** rows of pediatric dispensing data to track drug prescription trends **SQL, SAS, and R**.

InRiva AI   June 2025 – Present
Data Analytics Intern   *Philadelphia, PA*
- Applied **Pandas** data cleaning techniques to standardize CGM timestamps and remove sensor noise from **50+ patient datasets**, ensuring consistent **5-minute** intervals for downstream ML analysis.
- Developed CGM clinical analysis tool using **Python** and **Ollama** to automate glucose pattern recognition from **4,000+** daily readings, generating patient-friendly reports in under **30 seconds**, replacing 20-minute manual explanations.

Rocks and Robots Summer Camp   June 2022 – August 2023
Camp Educator   *Ann Arbor, MI*
- Led STEM programming for **15–20** students per session; delivered **20+** custom lessons combining CS and engineering concepts.
- Adapted curriculum for younger learners, improving engagement and comprehension as measured by post-camp survey (**avg. score: 4.9/5**).

PROJECTS

COVID Cases Analyses | *Python, SQLite, BeautifulSoup, Matplotlib, REST APIs*   Feb. 2025 – Apr. 2025
- Analyzed COVID-19 and socioeconomic data from **50 states** and **3 APIs**, identifying correlations with **2020 election results**.
- Engineered normalized **SQLite** database with **25+ tables** to store demographics, case counts, and party affiliations.
- Scraped and parsed data from Wikipedia election data.

DOGE Filter | *Python*   Aug. 2025 – Jun. 2025
- Created a script to help filter **5+** grants to make sure they didn't contain language that DOGE flags to cut funding, saving **thousands of dollars** for Michigan Medicine
- Implemented keyword detection algorithm processing **50-page** documents in under **10 seconds**, identifying **15+ high-risk terms** that could trigger funding cuts.

Spray Wall App (iOS App) | *Swift, SwiftUI, CoreData*   August 2024 – Present
- Designed and built a native iOS app to turn any spray wall into an interactive training board, allowing climbers to upload wall images, place holds, and create color-coded routes.
- Built a persistent local data system for route creation and storage using **CoreData** and local file persistence, enabling offline access and editing.

SKILLS

Languages: Python, HTML/CSS, Swift, SQL, C++, Java, R
Tools: Git, SQLite, CoreData, BeautifulSoup, REST APIs, JSON, Docker, Linux
Libraries: SwiftUI, UIKit, Matplotlib, Pandas, scikit-learn
Interests: Rock Climber (National Collegiate Level),