

# CESAR SIERRA

Ann Arbor, MI | (323) 491-7860 | cesarsierra2314@gmail.com

## EDUCATION

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**University of Michigan - College of Literature, Science, and the Arts**

**B.S. Neuroscience** | Pre-Medical Track    **Minor: Data Science**    **Expected: May 2030**

## CERTIFICATIONS

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**HarvardX - Fundamentals of Neuroscience, Part 1: The Electrical Properties of the Neuron**

Coursework focused on neuronal electrical signaling, membrane potentials, ion channels, and neural communication.

**HarvardX - Introduction to Data Science with Python**

Foundational training in Python-based data analysis, data visualization, statistical reasoning, and interpretation of datasets.

## RELEVANT COURSEWORK

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**BIOLOGY 131 - Python Programming for the Sciences** | University of Michigan | In Progress

**EECS 183 - Elementary Programming Concepts** | University of Michigan | In Progress

**Data Science for Health Research Specialization (3-course series)** | University of Michigan | In Progress

- *Courses: Arranging and Visualizing Data in R; Linear Regression Modeling for Health Data; Logistic Regression and Prediction for Health Data*

## RESEARCH & TECHNICAL SKILLS

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**Data & Research:** Meta-Analysis, Data Analysis, Data Visualization, Graphing, Literature Review, Research Methodology

**Programming:** Python

**Python Libraries:** pandas

**Development & Analysis Environments:** Jupyter Notebook

**Software:** Microsoft Excel

**Languages:** English (Native), Spanish (Native)

## RESEARCH INTERESTS

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Computational Neuroscience | Systems Neuroscience | Neurodevelopment | Developmental Neuroscience | Ion Channel Physiology | Early-Life Stress and Trauma | Data-Driven Neuroscience