

SAM HOPKINS

Seeking part-time retail or service position for Summer 2025

Fluent in Spanish

Dual BS in Data Science & AI + Computer Science Fundamentals @ University of Miami

samjhopkins9@gmail.com

415-480-9033

EDUCATION

- University of Miami, Coral Gables, FL

Dual BS in Data Science & Artificial Intelligence + Computer Science Fundamentals, minors in Math and Music. Founding Father of Zeta Beta Tau Fraternity, Alpha Omega Chapter.

- Marin Academy, San Rafael, CA

Class of 2020.

EXPERIENCE

- Host/Busser @The Cantina, Mill Valley, CA

Bussed tables, stocked items, took phone orders and sat customers in a full-service Mexican restaurant in Mill Valley, CA.

15-25 hours/week, June-August 2020/2021, June-July 2022

- Busser/Dishwasher/Food Runner @The Contented Sole, Pemaquid, ME

Bussed tables, ran food, and washed dishes in a fast-paced seasonal dockside restaurant in Pemaquid, ME.

15-25 hours/week, June-August 2018

- Music Producer @Self-employed, Ongoing

Writer and producer of electronic music, working under the name REDWAVE. I've released 2 singles this year, and four 4-5 song EPs in 2024.

- Computer Programmer @Self-employed, Ongoing

Completed several self-directed projects (see projects section below).

SKILLS

- Customer Service
- Spanish
- Ableton Live
- Avid Pro Tools
- DJing
- Drums
- Logic Pro X
- Object Oriented Programming
- Python
- R
- C++
- Java
- Bash
- JavaScript
- HTML
- CSS
- Swift
- Git
- Linear Algebra
- Statistics
- Probability
- Quantitative Finance
- Excel

CERTIFICATIONS

- [Learn C++](#) (Codecademy)
- [C++ for Programmers](#) (Codecademy)
- [Learn Python](#) (Codecademy)
- [Learn the Command Line](#) (Codecademy)
- [Learn Bash Scripting](#) (Codecademy)
- [Learn JavaScript](#) (Codecademy)
- [Learn HTML](#) (Codecademy)
- [Learn CSS](#) (Codecademy)
- [Learn CSS: Responsive Design](#) (Codecademy)
- [Learn Navigation Design](#) (Codecademy)
- [Learn Swift](#) (Codecademy)

COURSES

- Computer Organization & Architecture (University of Miami)
- Data Structures & Algorithms (University of Miami)
- Neural Networks (University of Miami)
- Statistical Learning with Applications (University of Miami)
- Intro to Python for Scientists (University of Miami)
- Computer Programming II (University of Miami)
- Linear Algebra (University of Miami)
- Probability & Statistics (University of Miami)
- Discrete Mathematics (University of Miami)
- Calculus III (University of Miami)

PROJECTS

- [REDWAVE. \(whoisredwave.com\)](https://www.whoisredwave.com)

September 2023 - Present

Current EDM production/DJing project.

- [Convolutional Neural Network to Predict Vehicle Position \(Python\) + Data Handling, Machine Learning and Multilayer Perceptron Algorithm Design \(C++\)](#) (<https://github.com/samjhopkins9/CSI-Prediction-Models>)

October - November 2024

This project uses a dataset containing channel state information from a remote radio unit receiving signals from cars parked in various locations around a garage to predict: a) the position of a vehicle, and b) and whether or not the vehicle is within line of sight from the remote radio unit. The most effective models were convolutional neural networks written in python using tensorflow. This project also contains manually written implementations of linear/logistic regression, KNN, and multilayer perceptron in c++, and a written proof of the gradient update rule in a multilayer perceptron.

