SAM HOPKINS

Seeking full-time work in Boston area
Fluent in Spanish

samjhopkins9@gmail.com 415-480-9033

EDUCATION

- University of Miami, Coral Gables, FL

  Completed 2 years studying Music Engineering and 2 studying Computer Science and Math. Not currently pursuing a degree.

- Marin Academy, San Rafael, CA

  Class of 2020.

EXPERIENCE

- Server @King Eider's Pub, Damariscotta, ME

  Received and delivered customer orders, stocked items, and bussed tables at a pub-style restaurant in Damariscotta, ME.

  30-35 hours/week, June-August 2025

- Music Producer @Self-employed, Ongoing

  Writer and producer of electronic music, working under the name REDWAVE. (more at whoisredwave.com)

- 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

- 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)

  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.