

CARTER GORDON

Programmer, Researcher, Designer

B.S. in Artificial Intelligence, B.S. in Digital Sound Design, and a Creative Coding Certificate

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EXPERIENCES

Bartender | The Office Bar and Grill

Madison, SD | August 2022 - May 2025

Tasked with either opening, closing, or sometimes both. Ensure smooth operations of multiple facets of the restaurant, train and manage new front of house staff, and general bartending tasks were some of my most prominent roles here.

Sound Engineer | Madison High-School

Madison, SD | September 2024 - November 2024

My job was to help both map out the first setup for this high school, as well as inform the band director on what equipment was needed and why. With this setup I then ran sound for their marching band show for the school year

Closing Expert | Target

Sioux Falls, SD | May 2021 - September 2023

Started off hired as Closing Expert, I have since been trained in multiple other departments of our store, and am one of the few employees to do so. I have been tasked with stocking Product, assisting customers, organizing shelves, fulfillment, guest services, online orders, and many, many other facets of the store.

Bookseller | Barnes & Noble

Sioux Falls, SD | April 2019 - March 2020

My main priorities were throughout the store. Make sure product is in presentable condition and not in disarray, assisting customers in finding what they need or placing orders for them, and cashiering were where I spent most of my work here

AWARDS & RECOGNITION

Research Excellence:

- Research Symposium: 1st Place Research Poster (2024)
- Research Symposium: Presenter (2025)

Competition Achievements:

- MICS Programming Competition: 3rd Place (2025)
- DSU Data Analytics Competition: 4th Place (2024)

Professional Recognition:

- Guest Speaker, CSC379 (Spring 2025)

EDUCATION

B.S. Digital Sound Design | DSU

Madison, SD | 2025

B.S Artificial Intelligence | DSU

Madison, SD | 2025

Certificate Creative Coding | DSU

Madison, SD | 2025

PROJECTS

Resonant Landscapes

Dr. Tate Carson and I traveled to all 13 state parks in South Dakota and took ambisonics recordings at each park. We then created a web app that placed them geospatially, almost like pokemon go, across DSU campus as they are laid out in South Dakota. We also made compositions from the recordings.

Resonant Landscapes Research Paper

P.A.C.E.

Prototyping-System for Audiovisual Creative Endeavors, a passion project of mine I constructed and coded myself and presented at the 2025 research symposium. Uses Python, Arduino, SuperCollider, and Processing as main programming languages. The goal was to create a new platform for audiovisual art and to explore possible interactions in the creative coding space.

P.A.C.E. Project Site

SKILLS

Programming Languages: Python , C , Supercollider , Javascript

Audio Related: Supercollider , Reaper , Ableton , Live Sound Mixing

CS / ML: Linux , Windows , Mac , Git , Raspberry Pi , Arduino / Simple Robotics , Data Analysis , Web Development

Other: Documentation , Spanish (Intermediate)

RELEVANT COURSEWORK

Data Structures, Parallel Computing, Object Oriented Programming, Hardware and Virtualization, Computer Science I, II, Algorithms and Optimization, Creative Coding, Interdisciplinary Coding, Predictive Analytics, Programming for Analytics, Intro: Artificial Intelligence, Applications of Deep Learning, Math Foundations of AI, Artificial Intelligence, AI Music, Applied AI,