

DENNIS FARMER

Clio, Michigan

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Education

University of Michigan - Ann Arbor, MI

Starting September 2022

B.S.E. Data Science - College of Engineering

Washtenaw Community College - Ann Arbor, MI

September 2020 – May 2022

GPA: 3.70

Work Experience

Peer Tutor

November 2021 – Present

Washtenaw Community College

Ann Arbor, MI

- Assisted students with courses such as Linear Algebra, Calculus I-III, Statistics with R, Microsoft Excel, and Object-Oriented Programming with C++ and Python
- Presented Learning Commons workshops geared towards new students to strengthen study skills

Salad and Sandwich Maker

January 2022 – Present

Panera Bread

Ann Arbor, MI

- Received customer orders as a cashier while keeping coffee hot and maintaining pastry display
- Prepared coffees, sandwiches, soups, and salads for customers
- Learned food prep techniques using online self-training modules

Front Ensemble Instructor

July 2021 – November 2021

Clio Area Bands

Clio, MI

- Educated percussionists of Clio's Marching Band for two weeks during the summer and twice per week during the Fall semester
- Taught proper playing technique for instruments such as marimba, vibraphone, synthesizer, and tambourine
- Arranged electronic speaker and microphone system for the front ensemble for use during performances

Coursework

- Inferential Statistics
- Linear Algebra
- Object Oriented Programming
- Data Structures
- Multivariable Calculus

Personal Projects

3D Audio Generator  | Python, FFmpeg

October 2021

- Created a 49-second music video with a generative neural network video script and custom audio effects
- Wrote a MIDI parser to extract musical time marks
- Composed and mixed music tracks using MuseScore and Python
- [Music Video Link](#)

Texas Hospital Hackathon - Food Ordering Web App  | Python Django, HTML

May 2021

- Developed a prototype web application that allows users to create food orders based on local eatery locations
- Used the Texas Children's Hospital Location Finder API and a dataset of common foods to display food options to users based on proximity

Technical Skills

Languages: Python (Pandas, Numpy, Matplotlib, Django), C++, R, Bash, LaTeX

Developer Tools: Make, Git, Linux, Vim

Extracurriculars

Redline Percussion 

2020, 2021, 2022

Vibraphone Performer (2020, 2021), Marimba Performer (2022)

Plymouth, MI

- Practiced and performed a 7-minute musical production for 18 hours per weekend for 20 weeks during the winter (November - May)
- (2021) - Conducted music rehearsals for myself and three other vibraphonists

Boy Scouts of America

2010 – 2019

Community Service Organizer / Boy Scout of Troop 602

Clio, MI

- Lead the construction and installation of wooden benches for Lacure Elementary School in Clio, MI.
- Organized numerous other community service projects throughout Michigan.
- Awarded BSA's highest attainable rank of Eagle Scout.