

# DENNIS FARMER

Clio, Michigan

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## Education

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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

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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

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

## Personal Projects

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**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

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

**Developer Tools:** Make, Git, Linux, Vim

## Extracurriculars

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**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.