

DENNIS FARMER

Clio, Michigan

✉ djfarmer@wccnet.edu  [dennis-farmer](https://www.linkedin.com/in/dennis-farmer)  [dennisfarmer](https://github.com/dennisfarmer)

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 – Present

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

- 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 Muscore and Python.
- [Music Video Link](#)

Analysis of Academic Success Factors  | Python Data Analysis, Ruby Jekyll

May 2020

- Collected dataset of 49 students' academic statistics and personal traits via a Google Forms survey.
- Analyzed data to find student qualities that correlate with excelling in higher education.
- Documented data analysis process using blog post on personal website.
- [Analysis Results Link](#)

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.