Tyler G. McDonald

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A diligent, motivated computer science student equipped with technical skills and a team-first mindset.

**EDUCATION**

**Michigan State University** – East Lansing, MI Expected Graduation: December 2024

*Bachelor of Science, Computer Science*

* **GPA:** 3.95
* **Clubs/Societies:** Tau Beta Pi, Michigan Alpha Chapter
* **Honors/Awards:** Dean’s List 5/5 Semesters

**EXPERIENCE**

**Michigan State University -** East Lansing, MI August 2022 – Present

*Algorithmic Thinking and Programming (CSE 102) Undergraduate Learning Assistant*

* Co-led a class of seventeen students by demonstrating interactive activities that enforce core concepts.
* Assisted students with labs and projects by understanding and interpreting Python code using the zyBooks platform.
* Attended weekly staff meetings to discuss tactics to create a better educational experience for our students.

**Great Lakes ACE Hardware -** Rochester Hills, MI October 2019 – August 2021

*Sales Associate*

* Oversaw the KIBO online ordering system, processed customer orders including arrangement of home deliveries. Communicated directly with customers regarding the status of his/her order to ensure their satisfaction.
* Headed the paint department; coordinated ordering for paint, color cards, and other related supplies; assisted customers with paint-related decisions

**COURSE PROJECTS**

**Arduino LED Circuit Project** – East Lansing, MI October 2021

* Worked alongside three students to construct and program a fully functional LED circuit with a variety of patterns using Arduino’s open-source code.
* Wrote and edited a full report using Microsoft Word explaining our project methods, calculations, and results.

**NBA Playoff Data Coding Project** – East Lansing, MI November 2021

* Utilized the Spyder IDE along with Python to sort through a .csv file including playoff data for a variety of NBA players.
* Created several functions that allowed the user to generate output based on the player’s team, position, and game statistics.
* Implemented a main function that included a user-friendly menu along with neatly organized output produced by using various string formatting methods.

**SKILLS**

Python – Proficient, Microsoft Office – Proficient, C++ – Intermediate, HTML/CSS – Beginner