

## ALLISON MCKEE

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### EDUCATION

**Ohio University** | Athens, OH

Anticipated Graduation: May 2026

*Bachelor of Science in Computer Science*

GPA: 3.5

### EXPERIENCE

**Diamond Power – Andritz** | Lancaster, OH

March 2025 – Present

*Software Engineer Intern*

- Modernized a legacy Historian system by integrating OPC UA and FactoryTalk Linx Gateway, upgrading the user interface, and migrating from Microsoft Access to a more robust SQL-based database for improved performance and scalability.
- Conducted technical research and evaluation of hardware components for a new DNC-MAX system.
- Developed detailed specification sheets for a ThinManager Client server rollout for an international branch in Australia.

**Ohio University** | Athens, OH

January 2023 – Present

*Lead Computer Science Tutor, Academic Achievement Center*

- Teach students different computer science subjects, specifically in Java and C++.
- Perform observations on fellow tutors to ensure standards are being met.
- Collaborate with fellow lead tutors to develop better communication and teaching methods.

**Ohio University** | Athens, OH

July 2024 – January 2025

*Data Analyst, Institutional Effectiveness and Analytics Department*

- Developed a Python-based program utilizing OCR and NLP to analyze high school and college transcripts.
- Designed algorithms to predict the likelihood of college course success based on high school performance.
- Integrated Amazon Redshift to manage and analyze large-scale academic data.

**Honda** | East Liberty, OH

May 2023 – June 2023

*Assembly Line Worker, Summer Program*

- Executed tasks and followed processes to assemble car components and parts.
- Operated specialized machinery and tools.
- Demonstrated meticulous attention to detail while connecting wires and couplers, ensuring the security of the electrical components.

### LEADERSHIP AND INVOLVEMENT EXPERIENCE

**Association for Computing Machinery** | Athens, OH

January 2023 – Present

*Member*

- Attend meetings with professionals in the field of computer technology.
- Engage in discussions on emerging technologies, programming languages, and industry trends.
- Explore topics beyond the standard curriculum.

**Ohio University Marching 110** | Athens, OH

August 2021 – May 2025

*Section Leader*

- Led the mellophone section in marching techniques as the section leader.
- Executed new drill and music for every home football game.
- Honed time management abilities by balancing rigorous practice schedules with academic responsibilities.

**Study Abroad** | Tokyo, Japan

June 2023 – July 2023

- Completed a summer program at J.F. Oberlin University in Tokyo, Japan, immersing in a diverse and culturally enriching learning environment.
- Engaged in rigorous coursework focused on the Japanese language.
- Developed cross-cultural communication skills by collaborating with students and faculty from diverse backgrounds.

### COURSEWORK & PROJECTS

**Awards Pulse**

Expected Completion May 2026

- Designing and building Awards Pulse, an AI-powered web application that automates award discovery, matching, and submission for 300+ global programs – developed in collaboration with the Head of Global Beauty Tech Communications at L'Oréal.
- Serving as Quality Assurance Manager and preparing to showcase the platform in New York in 2026.

**MeowBall Game**

Spring 2025

- Designed and programmed a procedurally generated 3D platformer featuring a spherical cat character collecting mice and fish while navigating obstacles. [Link](#)
- Modeled and textured two original 3D assets using Blender, contributing to the game's unique visual style.

**IEA Transcript Program**

Fall 2024

- Developed a program that utilizes OCR and NLP to analyze transcripts and predict the likelihood of college course success.

**MicroRTS Game**

Spring 2024

- Developed a real-time-strategy game that put players up against AI bots.

### SKILLS

**Technical:** C++, Java, Python, VB.NET, OCaml, SQL, Access, Git, IntelliJ, Netbeans, VSCode, Linux, OPC UA, OPC DA, PLC Programming, Data Analysis, Blender, Microsoft Office Applications

**Language:** English