

Caleb Boerma

[720-266-3036](tel:720-266-3036) | calebb2202@gmail.com | linkedin.com/in/caleb-boerma | github.com/Calebb2202

EDUCATION

B.S. Computer Science, Minor Cybersecurity

Grand Valley State University, GPA: 3.688

Aug. 2024 – Expected: May 2028

Allendale, MI

EXPERIENCE

IT Office Assistant

North Pointe Christian High School

Sep. 2023 – Present

Grand Rapids, MI

- Gained experience with the Jamf Mobile Device Management (MDM) platform to perform routine device management for 600+ laptops, including new student enrollment and device wiping
- Conducted system-wide diagnostics and physical maintenance on over 600+ laptops to identify technical issues and prepare hardware for the academic year
- Performed hardware repair on MacBook devices, including common repairs like battery and screen replacements
- Installed and configured new projectors in multiple classrooms

Intern

Gilson Graphics

Sep. 2022 – May 2023

Grand Rapids, MI

- Initiated the development of a company-wide digital signage network using Raspberry Pis to display real-time internal communications and data for warehouse employees
- Collaborated with the IT department to define project requirements, create a comprehensive hardware budget, and develop an implementation strategy
- Began the initial technical phase by configuring Raspberry Pi devices for network connectivity and display testing.

FIRST Robotics Pit Crew and Drive Team Member

North Pointe Christian High School

Sep 2022 – March 2024

Grand Rapids, MI

- Collaborated within a large team to design and assemble a robot for the annual FIRST Robotics Competition, specializing in the construction of the chassis and mechanical subsystems
- Performed rapid diagnostics and high-stakes mechanical repairs as a member of the pit crew during competitions, ensuring robot functionality under tight time constraints
- Selected as one of two robot operators on the drive team for the 2024 "Crescendo" season, responsible for controlling the arm and other subsystems during live matches

PROJECTS

Pokémon Go Assistant | *Python, Selenium, Pandas, Scikit-learn, CatBoost, GitHub*

July 2025 – August 2025

- Engineered a data collection pipeline using Python and Selenium to automate web scraping, generating a dataset of over 15,000 simulated Pokémon battles
- Developed and trained multiple models (Gradient Boost, CatBoost) to predict battle outcomes, selecting CatBoost for its superior performance with categorical features like Pokémon types and moves
- Iteratively improved the final model through feature engineering, achieving a 79% prediction accuracy for the proof-of-concept project

Arch-Linux Installation | *Arch Linux, Disk Partitioning, Pacman Package installer*

August 2025

- Flashed Arch Linux .iso file onto a USB stick and booted from the USB
- Located, formatted, and mounted partition to ext4 file system
- Utilized pacman package installer for a desktop environment and applications

TECHNICAL SKILLS

Languages: Python, Markdown, C, LaTeX, shell scripting

Developer Tools: Git, Github, Linux, VS Code, Google Colab, Firebase, Javascript, HTML

Python Libraries: Familiar with: Scikit-learn, CatBoost, pandas, Selenium