

# Caleb Boerma

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## EDUCATION

### B.S. Computer Science, Minors Cybersecurity and Math

Grand Valley State University, GPA: 3.688

Aug. 2024 – Expected: May 2028

Allendale, MI

## EXPERIENCE

### Dev Ops Intern

Jan 2026 – Present

Rep4FinLit (GVSU program)

Grand Rapids, MI

- Gained experience in professional web-development contributing towards both the frontend and backend of the website (<https://www.rep4finlit.org/>)
- Contributing towards a financial advice AI chat bot during the winter 2026 semester
- Worked in a professional development environment utilizing the "Sprints" development method and working with undergraduate and graduate students
- Worked with students from different majors such as graphic design, film and video, and marketing

### IT Assistant

Sep 2023 – Present

North Pointe Christian High School

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

### FIRST Robotics Pit Crew and Drive Team Member

Sep 2022 – Mar 2024

North Pointe Christian High School

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

### Personal Website | HTML, CSS

Dec 2025 – Jan 2026

- Learned the fundamentals of HTML including divs, headers, links, buttons, classes, and Ids
- Learned the fundamentals of CSS including coloring, positioning, and formatting
- Utilized Figma design to create a prototype before development of website
- <https://calebb2202.github.io/>

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

Jul 2025 – Aug 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

## TECHNICAL SKILLS

**Languages:** Python, Markdown, C, LaTeX, shell scripting, HTML, CSS, Learning: Javascript

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

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