

Collin Brennan

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EDUCATION

Grand Valley State University, Allendale, MI
BS in Computer Science | **GPA: 3.95**

Expected: April, 2027

Western Governors University, Salt Lake City, UT
BS in Cybersecurity and Information Assurance
Excellence Awards: Legal Issues in Cybersecurity | Communications

Graduated: August, 2024

WORK EXPERIENCE

Blue Nucleus ACI, *Software Developer*, Allendale, MI

May 2025 - Current

- Built a full-stack web application using Nuxt 3 (Vue) and Firebase for secure user auth, data storage, and credit-based access control.
- Implemented Firebase result caching, reducing redundant model executions and improving processing speed by **95%** through efficient retrieval of previously computed outputs.
- Integrated a TensorFlow backend to analyze uploaded images, producing geoJSON and CSV outputs identifying tree disease likelihood and coordinates.
- Visualized results via interactive maps and dynamic result cards, enhancing user accessibility and data clarity.
- Enabled persistent access to prior results through Firebase Storage integration, eliminating redundant model runs.
- Developed a custom Raspberry Pi device and companion Flutter app to capture, analyze, and map data offline for field diagnostics. Reducing outdoor field trips by **60%**.

Haslett Lacrosse Media Manager, *Graphic Designer*, Haslett, MI

January 2021 - August 2024

- Increased social media followers by **300%** via creating high-impact gameday graphics and engaging visual content, leveraging design expertise to drive audience growth and brand engagement.
- Attracted 25 new players to the program through targeted social media marketing and custom graphic design, effectively boosting recruitment and visibility.

Mona Shores Lacrosse Media Manager, *Graphic Designer*, Mona Shores, MI

June 2024 - August 2025

- Increased social media followers by **355%** via creating high-impact gameday graphics and engaging visual content, leveraging design expertise to drive audience growth and brand engagement.
- Attracted 10 new players to the program through targeted social media marketing and custom graphic design, effectively boosting recruitment and visibility.

SKILLS

- *Languages:* Python [Intermediate], Dart [Beginner], JavaScript [Beginner]
- *Frameworks & Libraries:* Vue 3, Nuxt 3, Tailwind CSS, Flutter
- *Tools & Platforms:* Git, Firebase, Raspberry Pi, Scrum, SDLC, Pinia, Jira
- *Concepts & Practices:* Data Structures & Algorithms, Secure Coding, TCP/IP, Agile Development

CERTIFICATIONS

- CompTIA (Security+, Network+, A+, PenTest+, Project+)
- ITIL v4 Foundation
- Linux Essentials Certification
- (ISC)2 Systems Security Certified Practitioner (SSCP)