

Dylan Damiano

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Motivated student double majoring in Computer Science and Mathematics dedicated to acquiring further knowledge regarding Cyber Security, Software Development, and Artificial Intelligence. I carry additional interest in how mathematical applications can be applied to the various fields in Computer Science. Highly interested in current and future developments in computing.

EDUCATION

Central State University, Expected May 2026

Wilberforce, OH

Bachelor of Science in Computer Science and Mathematics

GPA: 3.85 / 4.00

Completed Relevant Coursework:

- **Mathematics:** Probability & Statistics I, Calculus & Analytic Geometry I & II, University Physics I, Discrete Mathematics
- **Computer Science:** Computer Science I & II, Digital Systems, Computer Architecture, Website Development w/ HTML, Computer Networks, Ethics in Computer Science, Computer Literacy, Cyber Security I, and Critical Thinking

SKILLS AND SOFTWARE PROFICIENCIES

Technical: Information Systems, Microsoft Office Suite, Software Development, Microsoft Visual Studio Code, Git/GitHub, Type-2 Hypervisors (VirtualBox and VMWare), Containerized Applications (Docker), BitWarden, and MongoDB (*Conceptual*)

Operating Systems: Ubuntu (Server and Desktop), CentOS, and Windows (8, 10, 11)

Foreign Language: French (2 years)

Programming & Scripting Languages: C & C++, TypeScript & JavaScript, Lua & Luau, Python, Bash, PowerShell, and MATLAB.

WORK & LEADERSHIP EXPERIENCE

August 2023–Present

Central State University

Wilberforce, OH

Undergraduate Research Assistant

- Currently working on developing fundamental skills and building thorough understanding to use MATLAB with Image Processing, Signal Processing, and Statistics and Machine Learning Toolkits to conduct data analysis in the realm of Hyperspectral Imaging. Python may be used on occasion.

June 2023–August 2023

The Ohio State University

Columbus, OH

Undergraduate Research Experience

- Participated in an AI-EDGE Summer Program to learn more about how Artificial Intelligence is being used in everyday life. The program exposed me to three different types of well-known use-cases of Machine Learning such as Supervised Machine Learning, Unsupervised Machine Learning, and Reinforcement Learning.
- Used Machine Learning techniques to perform operations related to Reinforcement Learning utilizing processes derived from Multiple Armed Bandits. Algorithms included: Greedy, Epsilon-Greedy, Upper Confidence Bound.
 - Knowledge was used to perform a final project on using supervised classification for Digital Signal Processing (DSP) pertaining to wireless signal modulations with TensorFlow 2.10 and Keras using Python 3.10.

March 2023–May 2023

Central State University

Wilberforce, OH

OASIS Peer Tutor

- Worked with peers to provide tutoring services for subjects relating to College Algebra, Calculus, and Computer Science

CREDENTIALS

Certifications:

- *Microsoft Certified: Azure Fundamentals* (b2205681dc90fc30, Jan 2024)

Course/Challenge Certificates:

- Introduction to Git (Skillsoft 68215413, Feb 2023)
- Getting Started with Git (Skillsoft 68221420, Feb 2023)
- Elastic's Beginner Crash Course Challenge – Level 2 (73651488, May 2023)
- Elastic's Beginner Crash Course Challenge – Level 1 (71978308, Apr 2023)

PROGRAMMING PROJECTS

Personal, ROBLOX Responsive Menu UI

Summer 2023-Present

- Designing in the process of designing a responsive, but yet event-driven UI that will include an in-game store, display user statistics from the ability of REST APIs available to the platform.
- Programmed in the Lua subvariant: Luau (luau-lang.org).

Personal, Webpage Portfolio

Spring 2023-Present

- Gained valuable working knowledge of how to properly setup and configure a Domain Name System. Also acquired a more in-depth understanding of how the Linux OS works --- and the variety of purposes that it could be used for
- Administered two different forms of web-hosting technologies, one with Apache and the other with LiteSpeed. The webpage is viewable on the web at *dylandamiano.com*.
- Developed a webpage that is fluid, but rather static. Future directions for this are to implement a blog portion of the webpage, in which blog content will be uploaded to the server through an application that communicates with the server. Also Utilized Typescript and JavaScript to implement dynamic features wherever possible throughout the project.

HONORS & ACTIVITIES

Central State University

- Dean's List: Spring 2023, Fall 2023
- Central State University ACM Student Chapter Chair & Founder (2023-2024)
- MR. JWG CESTA¹ (2023-2024)
- Choose Ohio First Honors Scholarship, and David Scott 1890 Scholarship

Active Memberships

- Association for Computing Machinery Student Member (2023-Present)
- Institute of Electrical and Electronics Engineering Student Member (2023-Present)

Other

- *Kettering Fairmont Highschool: First Place Game Development at Miami Valley Tech Prep Consortium (2022)*

FEATURED IN

- "Sophomore starts student chapter ACM"– <https://www.centralstate.edu/news/sophomore-starts-student-chapter-association-computer-machinery>

Additional details can be found at: [dylandamiano.com](https://www.dylandamiano.com) or github.com/dylandamiano

(1) John W. Garland College of Engineering, Science, Technology, and Agriculture; CSU CESTA College Leader & Representative