Anthony Marchello

2007 Valley View Drive, Kewaskum, WI 53040
Personal Email: Epic_Sauz@protonmail.com
Personal Phone: (262) 339-8078

SUMMARY

Software Engineering B.S. and Data Science Minor student at Milwaukee School of Engineering with hands-on, team-based experience in web development, software design, cybersecurity, and application development. Has worked with Scot Forge for 10-12 hours per week during the academic year on a web application as part of a year-long class. Skilled in Java, Python, JavaScript, C++, x86 Assembly, React JS, MongoDB, SQL, AWS, and data science tools such as Pandas, NumPy, and TensorFlow.

EDUCATION

Software Engineering B.S. | Milwaukee School of Engineering | GPA: 3.27 | Expected Graduation: May 2026
Data Science Minor | Milwaukee School of Engineering | Expected Completion: May 2026
Google Cybersecurity Professional Certificate | Coursera | Expected Completion: TBD

TECHNICAL SKILLS

- HTML
- Java
- C#
- x86 Assembly
- Amazon Web Services (AWS)
- Experienced in Software Design Patterns
- Linux Command Line
- Tensorflow
- NumPy
- CSS
- Python
- C
- MongoDB
- React JS
- Proficient in Testing Theory
- SQL
- Keras
- Poetry
- JavaScript
- R
- C++
- Express
- Knowledgeable in various Data Structures
- Skilled in using Mock Objects for testing
- CAP Theorem
- Pandas
- Bootstrap

PROJECT EXPERIENCE

Scot Forge Web Application
- Collaborating in a year-long group project with a metal forging company.
- Gained an understanding of how to use Poetry dependencies in a Python-based project.
- Learned how to successfully resolve merge conflicts with code issues.
- Explored techniques to eliminate technical debt in code.

Python Classification of Japanese Characters
- Utilized KMNIST to train a model for identifying Japanese characters.
- Prepared data for a deep learning model.
- Compared the performance of CNN and DNN models.

Module JavaScript (mjs) Text File Manager Web Application
- Utilized Module JavaScript (mjs) and JavaScript to run a server on my local computer.
- Enabled users to post text on a web page.
- Allowed users to edit the text after posting.

C++ Clone of Hunt the Wumpus Game
- Created the clone with a classmate.
- Utilized separate .cpp and .h files for organization.
- Implemented multiple classes to structure the game.

AWS Prime Number Determinator Application
- Can determine if a large integer is a prime number.
- Utilized lambdas to enhance functionality.
- Employed queues for efficient data handling.

React JS Culver's Menu Web Application
- Utilized Bootstrap for design.
- Enabled users to filter the menu by allergen or item name.

Java Image Manipulator
- Capable of loading, saving, and manipulating images.
- Applied foundational programming concepts, including creating FXML files/GUI, reading and writing files, building a Jar Runner, and working with color hex codes.

React JS Personal Website
- Designed a user-friendly UI.
- Applied Module JavaScript to enhance maintainability.

Java Clone of Minesweeper Game
- Implemented core game mechanics and user interactions with Java.
- Designed an intuitive graphical user interface (GUI) to enhance the user experience.

ACHIEVEMENTS

- Earned Honors status during Fall Semester of Sophomore year.
- Earned Dean's List status during Fall Semester of Junior year.
- Graduated Magna Cum Laude in high school.
- Earned membership in the National Honor Society in high school.
- Developed a slogan and marketing idea for the Andretti Marketing Group for a 2015 IndyCar race.

CO-CURRICULAR INVOLVEMENT | COMMUNITY SERVICE | OTHER

Concert Band Member | MSOE Concert Band | December 2022 – Present | 2 hours per week
Church Choir Member | St. Matthew's Church | August 2017 – Present | 1 hour per week
Video Game Dev. Member | Video Game Development Club | September 2023 – Present | 1.5 hours per week
Circle K Member | Circle K | September 2023 – Present | 1 hour per week
Making Blankets and Alphabet Cards for Those in Need | Circle K | October 2023 – November 2023 | 2 hours total
Salvation Army Bell Ringing | Salvation Army | December 2018 – Present | 2 to 4 hours per year
Halloween Night Hike | Kettle Moraine State Forest | October 2018 – October 2019 | 2 hours per year
Serving Free Meals to Those in Need | Loaves and Fishes | March 2018 – March 2019 | 2 hours per year
UNICEF Trick-or-Treating | KEY Club | October 2019 | 2.5 hours total
Job Shadowed an IndyCar Team | Meyer Shank Racing | June 2021 | 12 hours total

WORK EXPERIENCE

Deli Associate | Sendik's Food Market, West Bend | March 2022 – Present | 38 to 40 hours per week (during breaks)
Front Desk Worker/Student Assistant | Milwaukee School of Engineering | March 2023 – May 2024 | 4 hours per week
Full-Service Gas Station Attendant | Herrige's Oil/Mike's Auto | November 2018 – December 2021 | 12 to 16 hours per week

INTERESTS | HOBBIES

I enjoy reading, playing video games with my college friends, meditating, contemplating theories and ideas, writing, hiking, hunting pheasants, fishing, following sports with my younger brother, watching horror movies with my high school friends, and having fun with my family.