

# Matthew Mercado

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[matthewmercado.dev](https://matthewmercado.dev)

## SKILLS

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*Programming/Scripting Languages:* Java, JavaScript/Typescript, Python, C++, C#, Ruby, PHP, MATLAB, SQL  
*Frameworks/Tools:* React, Git, MongoDB, Amazon S3, Next.js, Tailwind, MUI, Figma, Vercel, Heroku, Redux  
*Other:* UX/UI Design, HTML/CSS, SEO, Linux

## EXPERIENCE

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### Escape This Frederick – Frederick, MD

07/2017 – Present

*Manager/Web Developer*

- Redesigned [escapethisfrederick.com](https://escapethisfrederick.com), one of Maryland's most popular escape room websites, resulted in a reduced bounce rate from 53% to 13% and an increased conversion rate from 2.5% to 4.5%.
- Implemented Arduino programming (C++) for electronic puzzles, reducing manual reset times.

### Box – Remote

05/2022 – 08/2022

*Software Engineer Intern – Preview Team*

- Developed React-based components for analytics menus, styled them using CSS/SASS, and used Redux to access the application state, improving the user experience.
- Led a project to implement dynamic meta tags for social media links within their PHP monolith, improving social media presence and driving traffic to the website.
- Developed automated QA tests and Gherkin Scripts using Cucumber and WebDriverIO to support BDD
- Participated in the Box hackathon as part of the Box Preview team where we developed a react component that acted as a quick file search bar for the Box file preview page

### Mount St. Mary's University – Emmitsburg, MD

01/2022 – 5/2022 | 8-2022 – 12/2022

*Peer Mentor: Computer Science I & II*

- Mentored CS students in Java and Python, improving their performance in complex problems and projects.
- Taught debugging and troubleshooting techniques, enhancing students' problem-solving skills.

## PROJECTS

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### Escape Director

05/2023 – Present

*Founder & Software Engineer*

- Engineered a MERN (MongoDB, Express.js, React, Node.js) tech stack SaaS-based escape room management system from ground zero that reduces training time and costs and captures valuable statistics to help escape room owners make data-driven decisions.
- The application tackles user authentication and authorization with secure routes, secure payment using Stripe API, offers a scalable S3 storage solution, socket.io for real-time communication with players, etc.
- Visit the project at [escapedirector.com](https://escapedirector.com) or learn more about it in my portfolio.

### Portfolio Website

05/2023 – Present

- Created a clean, responsive, and performant portfolio website using Next.js, React, Typescript, and Tailwind to showcase my projects, resume, and background at [matthewmercado.dev](https://matthewmercado.dev)

## EDUCATION

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### Mount St. Mary's University – Emmitsburg, MD

05/2023

*B.S. Computer Science*

- Cyber Defense Club, Code Hubs, ACM Club, Varsity eSports Team (Overwatch/Valorant)
- Awards & Honors: Received: "The Mariam Award of Excellence in Computer Science", Member of Upsilon Pi Epsilon Honor Society, President's List Fall 2021 – Fall 2022
- 3.94/4.0 with highest honors

### Frederick Community College – Frederick, MD

05/2019

*A.S. STEM: Concentration in Engineering*