

# Matthew Mercado

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

## SKILLS

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*Programming/Scripting Languages:* Java, JavaScript/Typescript, Python, C++, C#, Ruby, PHP, MATLAB, SQL, Go  
*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](http://escapethisfrederick.com), one of Maryland's most popular escape room websites, boosting the conversion rate by 80% and reducing the bounce rate by 75%.
- 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

### 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*

- Developed a MERN (MongoDB, Express.js, React, Node.js)-stack SaaS escape room management system, reducing costs at Escape This Frederick and allowing other escape room owners to make data-driven decisions.
- Built engaging front-end interface using React and Material-UI; crafted RESTful APIs with express for user authentication, managing user and content data within MongoDB and AWS S3.
- Implemented secure payment processing using Stripe API; ensured secure authorization and route protection.
- Utilized socket.io which normally uses Websockets for real-time communication with players, etc.
- Visit the project at [escapedirector.com](http://escapedirector.com) or learn more about it in my portfolio.

### Portfolio Website

05/2023 – Present

- Designed a clean, responsive, and performant portfolio website using Next.js, React, Typescript, and Tailwindcss to showcase my projects, resume, and background at [matthewmercado.dev](http://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*