

AUTOMATA EXPERIENCE

Capstone Creative Brief

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Automata Experience is a dynamic, interactive web exhibition designed to close the knowledge gap in the historical and technical evolution of automata. This experience creatively showcases how automata have transitioned from simple mechanical contrivances to complex systems that mimic life, paralleling technological advancements across centuries. Aimed at making the intricate world of mechanical devices accessible and engaging, this experience allows visitors to explore, interact with, and understand automata through animated models and narrative-driven content. It highlights key inventions and figures like Al-Jazari and uses cutting-edge web technologies to offer a unique educational journey that's as informative as it is visually compelling. This project leverages the versatility of WebGL to simulate physical interactions and mechanical movements, bringing the magic of automata to a broad audience including students, educators, and enthusiasts of technology and history.

Goals/Benefits of the Design Project:

- Create an immersive web experience that combines interactive models, motion graphics animations, and storytelling to make learning about technology's evolution engaging.
- Educate and engage audiences on the historical evolution of technology from simple machines to automata, highlighting human ingenuity.
- Foster a deeper appreciation for the societal impacts and perceptions of technological advancements over time.

Message that it Conveys:

The project conveys the message that understanding the history of technology and its societal impacts enriches our appreciation of innovations and can inspire future creativity and ingenuity.

Competitive Positioning:

While there are resources on automata, few offer a hands-on, interactive 3D experience. The developed project will stand out by providing a unique blend of historical education and interactive technology, offering a deeper understanding of automata's impact.

Deliverables:

WebGL/Three.js Interactive Web Experience:

- A developed website offering an immersive journey through technology's history, featuring interactive 3D models of simple machines and automata.

Posters:

- Static frames from the developed graphics showing the project's progress.