

Making Machine Musicians

AI for Live Musical Performance

Making Machine Musicians: AI for Live Musical Performance explores the integration of artificial intelligence (AI) technologies into live music performances. Offering a comprehensive guide to developing "machine musicians" capable of interactive improvisation and real-time collaboration with human performers, this book introduces readers to cutting-edge trends in live musical AI. Chapters combine theoretical discussions, practical tutorials, and hands-on projects, providing step-by-step instructions for building autonomous music systems, experimenting with interactive AI tools, and exploring creative applications of AI in live performance. Accompanying software and tutorials ensure accessibility for musicians of all levels, fostering both technical fluency and artistic innovation. Whether used as a textbook, a self-study guide, or a practical manual; it equips readers with the knowledge and tools to explore the emerging field of musical AI and its potential to transform the way we create and experience music. This book will appeal to music technology professionals, educators, and novice musicians alike, this book serves as a valuable resource for anyone interested in the intersection of AI and live music.

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