The Art of Creating Code-Based Artworks





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Our work reports on an in-depth interview with 5 code artists with diverse backgrounds, levels of experience, and working on different code-based artistic expressions.

Through their experience, we identified

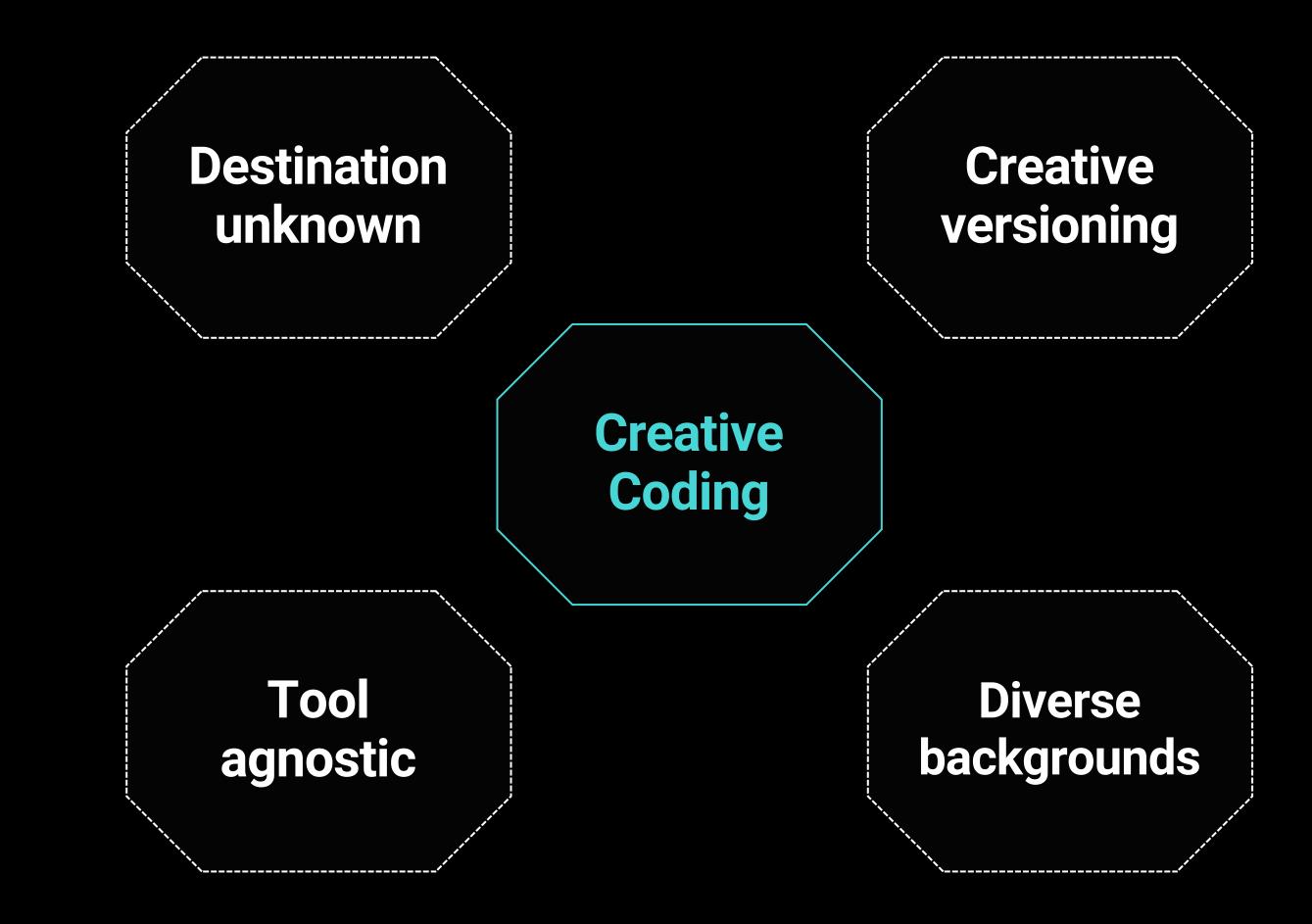
«Creative Coding has a different development process that emphasizes the expressivity of computer programming beyond something pragmatic and functional»

John Maeda

characteristics and commonalities in their development process, the tools they use, their sources of inspiration, and their expectations.

ed Qualitative thematic analysis, using an inductive approach

Five in-depth semi-structured interviews



Embracing uncertainty: the Creative Coding exploratory and iterative nature



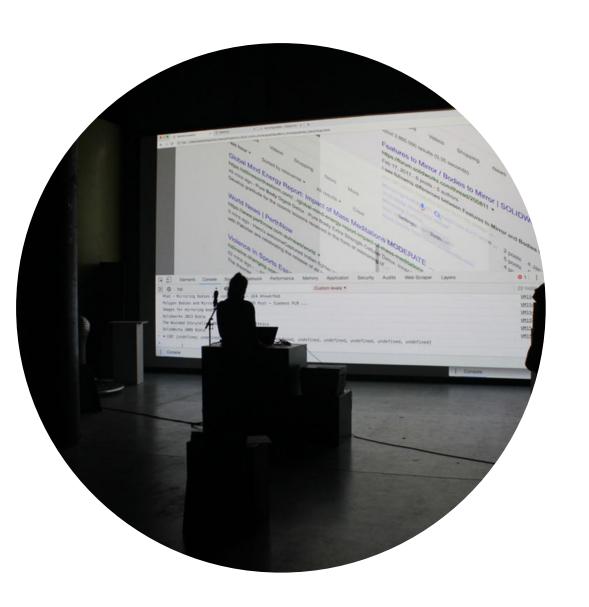
it is a creative dialog like a painter on a canvas but with code (...) and it is, first of all, completely free of a predefined motive



in traditional software writing you have very specific requirements (...); sometimes with Creative Coding you don't even know what it's going to do



Could Data Science methodologies and tools be adopted to improve Creative Coding?



Current version control systems do not suit the artists' needs and present a steep Sometimes it is a very small piece of code. It is like: why do I care about Git controlling this piece of code in a scheme of big things, right?







Tool choice is influenced by the simplicity of the interface and the intuitiveness of their features. Code artists care more about the usability and user-friendliness of the tools

Explore whether offering alternative notations like hybrid editors could enrich the experience of Creative Coding users, not by hiding the code but by providing alternative visualizations

