

EVOCOMPOSER STUDY

We are working on a research project whose goal is to provide an automatic composer, named EvoComposer, for the compositions of 4-voice chorales, based on Genetic Algorithms.

In this study we explore the opinions of programmers, with musical skills, with regard to the benefits that can be achieved by using our representation during their programming activities.

We do not collect personal data and all submitted information will remain confidential. Our study is performed complying with ethical principles, and also according with national and EU legislation:

1. "Regolamento di attuazione delle norme in materia di trattamento dei dati personali" - "Data Protection Code - Decreto Legislativo n. 196/2003"
2. "EU's Data Protection Directive" - <http://ec.europa.eu/justice/data-protection/>.

Your answers and suggestions will help us to understand whether our representation offers significant advantages when employed during programming activities.

Thanks for your time and for your cooperation.

Music Expert Interview

Questions have been translated from the Italian language.

MIDI file 1

1. How do you evaluate the quality of the composition?

Very poor	Poor	Fair	Good	Very good	Excellent	Exceptional
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>

Can you please provide a motivation for your choice?

2. How do you evaluate the listenability of the composition?

Unpleasant	Modevaluately unpleasant	Slightly unpleasant	Neither unpleasant nor pleasant	Slightly pleasant	Modevaluately pleasant	Pleasant
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>

Can you please provide a motivation for your choice?

MIDI file 2

1. How do you evaluate the quality of the composition?

Very poor	Poor	Fair	Good	Very good	Excellent	Exceptional
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>

Can you please provide a motivation for your choice?

2. How do you evaluate the listenability of the composition?

Unpleasant	Modevaluately unpleasant	Slightly unpleasant	Neither unpleasant nor pleasant	Slightly pleasant	Modevaluately pleasant	Pleasant
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>

Can you please provide a motivation for your choice?

MIDI file 3

1. How do you evaluate the quality of the composition?

Very poor	Poor	Fair	Good	Very good	Excellent	Exceptional
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>

Can you please provide a motivation for your choice?

2. How do you evaluate the listenability of the composition?

Unpleasant	Modevaluately unpleasant	Slightly unpleasant	Neither unpleasant nor pleasant	Slightly pleasant	Modevaluately pleasant	Pleasant
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>

Can you please provide a motivation for your choice?

MIDI file 4

1. How do you evaluate the quality of the composition?

Very poor	Poor	Fair	Good	Very good	Excellent	Exceptional
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>

Can you please provide a motivation for your choice?

2. How do you evaluate the listenability of the composition?

Unpleasant	Modevaluately unpleasant	Slightly unpleasant	Neither unpleasant nor pleasant	Slightly pleasant	Modevaluately pleasant	Pleasant
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>

Can you please provide a motivation for your choice?

MIDI file 5

1. How do you evaluate the quality of the composition?

Very poor	Poor	Fair	Good	Very good	Excellent	Exceptional
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>

Can you please provide a motivation for your choice?

2. How do you evaluate the listenability of the composition?

Unpleasant	Modevaluately unpleasant	Slightly unpleasant	Neither unpleasant nor pleasant	Slightly pleasant	Modevaluately pleasant	Pleasant
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>

Can you please provide a motivation for your choice?

MIDI file 6

1. How do you evaluate the quality of the composition?

Very poor	Poor	Fair	Good	Very good	Excellent	Exceptional
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>

Can you please provide a motivation for your choice?

2. How do you evaluate the listenability of the composition?

Unpleasant	Modevaluately unpleasant	Slightly unpleasant	Neither unpleasant nor pleasant	Slightly pleasant	Modevaluately pleasant	Pleasant
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>

Can you please provide a motivation for your choice?

MIDI file 7

1. How do you evaluate the quality of the composition?

Very poor	Poor	Fair	Good	Very good	Excellent	Exceptional
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>

Can you please provide a motivation for your choice?

2. How do you evaluate the listenability of the composition?

Unpleasant	Modevaluately unpleasant	Slightly unpleasant	Neither unpleasant nor pleasant	Slightly pleasant	Modevaluately pleasant	Pleasant
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>

Can you please provide a motivation for your choice?

MIDI file 8

1. How do you evaluate the quality of the composition?

Very poor	Poor	Fair	Good	Very good	Excellent	Exceptional
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>

Can you please provide a motivation for your choice?

2. How do you evaluate the listenability of the composition?

Unpleasant	Modevaluately unpleasant	Slightly unpleasant	Neither unpleasant nor pleasant	Slightly pleasant	Modevaluately pleasant	Pleasant
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>

Can you please provide a motivation for your choice?

MIDI file 9

1. How do you evaluate the quality of the composition?

Very poor	Poor	Fair	Good	Very good	Excellent	Exceptional
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>

Can you please provide a motivation for your choice?

2. How do you evaluate the listenability of the composition?

Unpleasant	Modevaluately unpleasant	Slightly unpleasant	Neither unpleasant nor pleasant	Slightly pleasant	Modevaluately pleasant	Pleasant
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>

Can you please provide a motivation for your choice?

MIDI file 10

1. How do you evaluate the quality of the composition?

Very poor	Poor	Fair	Good	Very good	Excellent	Exceptional
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>

Can you please provide a motivation for your choice?

2. How do you evaluate the listenability of the composition?

Unpleasant	Modevaluately unpleasant	Slightly unpleasant	Neither unpleasant nor pleasant	Slightly pleasant	Modevaluately pleasant	Pleasant
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>

Can you please provide a motivation for your choice?

MIDI file 11

1. How do you evaluate the quality of the composition?

Very poor	Poor	Fair	Good	Very good	Excellent	Exceptional
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>

Can you please provide a motivation for your choice?

2. How do you evaluate the listenability of the composition?

Unpleasant	Modeevaluatedly unpleasant	Slightly unpleasant	Neither unpleasant nor pleasant	Slightly pleasant	Modeevaluatedly pleasant	Pleasant
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>

Can you please provide a motivation for your choice?

MIDI file 12

1. How do you evaluate the quality of the composition?

Very poor	Poor	Fair	Good	Very good	Excellent	Exceptional
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>

Can you please provide a motivation for your choice?

2. How do you evaluate the listenability of the composition?

Unpleasant	Modevaluately unpleasant	Slightly unpleasant	Neither unpleasant nor pleasant	Slightly pleasant	Modevaluately pleasant	Pleasant
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>

Can you please provide a motivation for your choice?

MIDI file 13

1. How do you evaluate the quality of the composition?

Very poor	Poor	Fair	Good	Very good	Excellent	Exceptional
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>

Can you please provide a motivation for your choice?

2. How do you evaluate the listenability of the composition?

Unpleasant	Modevaluately unpleasant	Slightly unpleasant	Neither unpleasant nor pleasant	Slightly pleasant	Modevaluately pleasant	Pleasant
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>

Can you please provide a motivation for your choice?

MIDI file 14

1. How do you evaluate the quality of the composition?

Very poor	Poor	Fair	Good	Very good	Excellent	Exceptional
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>

Can you please provide a motivation for your choice?

2. How do you evaluate the listenability of the composition?

Unpleasant	Modevaluately unpleasant	Slightly unpleasant	Neither unpleasant nor pleasant	Slightly pleasant	Modevaluately pleasant	Pleasant
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>

Can you please provide a motivation for your choice?

MIDI file 15

1. How do you evaluate the quality of the composition?

Very poor	Poor	Fair	Good	Very good	Excellent	Exceptional
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>

Can you please provide a motivation for your choice?

2. How do you evaluate the listenability of the composition?

Unpleasant	Modevaluately unpleasant	Slightly unpleasant	Neither unpleasant nor pleasant	Slightly pleasant	Modevaluately pleasant	Pleasant
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>

Can you please provide a motivation for your choice?

MIDI file 16

1. How do you evaluate the quality of the composition?

Very poor	Poor	Fair	Good	Very good	Excellent	Exceptional
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>

Can you please provide a motivation for your choice?

2. How do you evaluate the listenability of the composition?

Unpleasant	Modevaluately unpleasant	Slightly unpleasant	Neither unpleasant nor pleasant	Slightly pleasant	Modevaluately pleasant	Pleasant
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>

Can you please provide a motivation for your choice?

MIDI file 17

1. How do you evaluate the quality of the composition?

Very poor	Poor	Fair	Good	Very good	Excellent	Exceptional
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>

Can you please provide a motivation for your choice?

2. How do you evaluate the listenability of the composition?

Unpleasant	Modevaluately unpleasant	Slightly unpleasant	Neither unpleasant nor pleasant	Slightly pleasant	Modevaluately pleasant	Pleasant
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>

Can you please provide a motivation for your choice?

MIDI file 18

1. How do you evaluate the quality of the composition?

Very poor	Poor	Fair	Good	Very good	Excellent	Exceptional
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>

Can you please provide a motivation for your choice?

2. How do you evaluate the listenability of the composition?

Unpleasant	Modevaluately unpleasant	Slightly unpleasant	Neither unpleasant nor pleasant	Slightly pleasant	Modevaluately pleasant	Pleasant
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>

Can you please provide a motivation for your choice?

MIDI file 19

1. How do you evaluate the quality of the composition?

Very poor	Poor	Fair	Good	Very good	Excellent	Exceptional
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>

Can you please provide a motivation for your choice?

2. How do you evaluate the listenability of the composition?

Unpleasant	Modevaluately unpleasant	Slightly unpleasant	Neither unpleasant nor pleasant	Slightly pleasant	Modevaluately pleasant	Pleasant
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>

Can you please provide a motivation for your choice?

MIDI file 20

1. How do you evaluate the quality of the composition?

Very poor	Poor	Fair	Good	Very good	Excellent	Exceptional
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>

Can you please provide a motivation for your choice?

2. How do you evaluate the listenability of the composition?

Unpleasant	Modevaluately unpleasant	Slightly unpleasant	Neither unpleasant nor pleasant	Slightly pleasant	Modevaluately pleasant	Pleasant
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>

Can you please provide a motivation for your choice?