

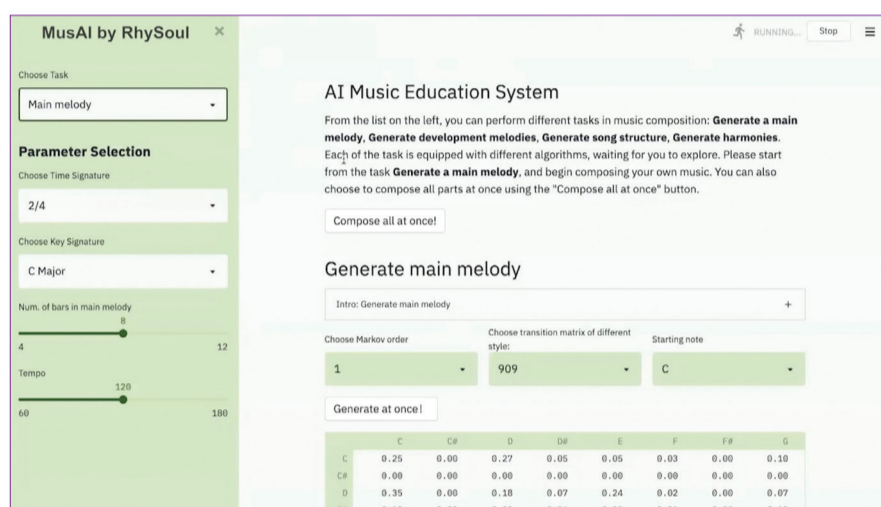
普及人工智能教育的算法作曲軟件 Algorithmic Music Composition Software for Popularising AI Education

讓使用者輕鬆學習人工智能算法的自動音樂生成軟件

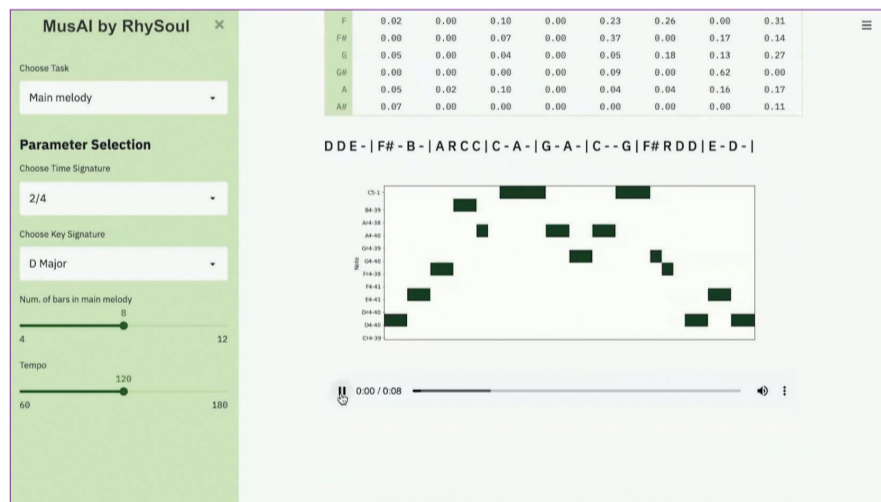
An automated music composition software that allows users to learn AI algorithms easily

MusAI是一個結合藝術和科學的跨學科軟件，能通過人工智能作曲的體驗式學習，教授人工智能算法。透過這軟件，用戶能在作曲過程中體驗四種基本的人工智能算法，並自動生成個性化的音樂作品。

這軟件適用於學校教學及自學，能有效普及人工智能教育，讓初學者以有趣的方式輕鬆學習基本的人工智能算法。



MusAI的用戶介面
User interface of MusAI



鋼琴捲簾顯示算法產生的符號化音樂
Piano roll shows the symbolic music generated by algorithm

MusAI is an interdisciplinary software which combines art and science. It teaches basic AI algorithms through experiential learning of AI-powered musical composition. With this software, users can experience four basic AI algorithms during the automated music composition process and create their own personal musical pieces.

It helps to popularise AI education by enabling effective teaching at schools and self-learning, allowing beginners to learn basic AI algorithms easily in an interesting way.

Principal Investigator

Dr Gong CHEN

RhySoul Technology (Shenzhen) Company Limited

Contact Details

Knowledge Transfer and Entrepreneurship Office

Tel: (852) 3400 2929 Email: info.kteo@polyu.edu.hk

特色與優點

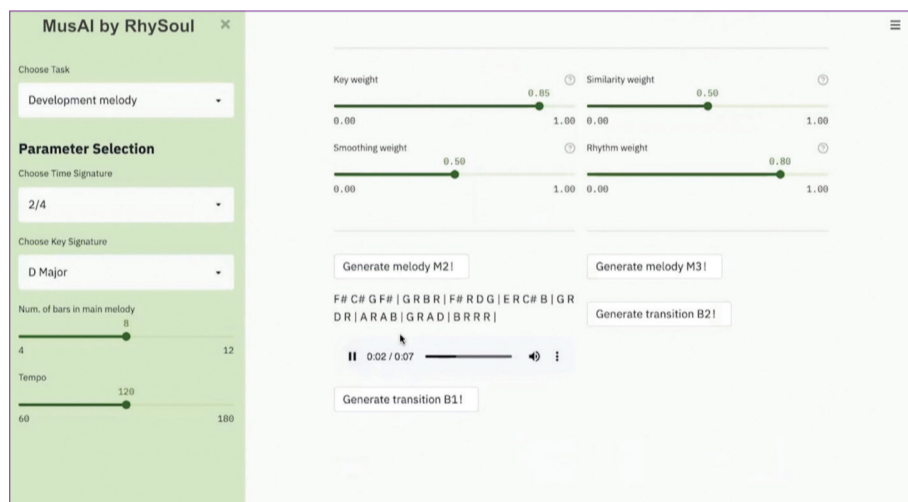
該軟件現已上市，且已獲中國部分中學採用

應用

- 中小學生的人工智能教育
- 針對所有對人工智能感興趣人士的人工智能教學

獎項

- 瑞士日內瓦國際發明展 - 2022年網上特別版 - 銅獎 (2022年3月)
- 2020年全國大學生“互聯網+”創新創業大賽銅獎



這軟件可以產生不同的音樂段落，例如主旋律和發展旋律
The software can generate various periods of music, such as main melody and transition

Special Features and Advantages

The software is now available in the market, and is being used by some secondary schools in China

Applications

- AI education for primary or secondary school students
- AI education for anyone who is interested in AI

Awards

- Bronze Medal - Special Edition 2022 Inventions Geneva Evaluation Days - Virtual Event (Mar 2022)
- Bronze award, National college students “Internet+” Innovation and Entrepreneurship Competition, 2020

