making fabric

# abstract

# introduction

Knitting is a technique of making fabric with yarn on two or more needles, a process of knotting fibers. The oldest knitted items found in Egypt are dated between 11th and 14th centuries AD. In the 14th century, knitting had started to spread throughout Europe and later throughout Britain. In the 17th and 18th centuries, knitting sweaters for local fishermen became an important household income in the Scottish Isles and many elaborate designs were developed. During the Second World War, British wartime government department, the Ministry of information, started propagandas for people to make knitted items for the Army and Navy. In 1980s, machine-knitted items became so cheap that the popularity of hand-knitting started to decline. Knitting starts to become popular again in the beginning of the 21st century with the “Handmade Revolution” and the ease of finding information on the internet. Yarn bombing, a type of graffiti where public objects are covered with knitted fabric, became an art form and phenomenon with the rise of the information era. (Clothing) With the advances of machine learning, machine-knitted items remain simplistic and the

# background

## learning

## process

## design goals

## motivating example

# system description

## programming model

Interface

Simple stitches

Repeated stitches

# evaluation

## evaluation methodology

## limitations

## results

Learnability

Compatibility with manual practice

# related work

# Works Cited

Clothing, H. o. (n.d.). *History of Knitting - Origins of Knitting*. Retrieved Feburary 25, 2019, from History of Clothing: http://www.historyofclothing.com/making-clothing/history-of-knitting/