



*Crochet,
CODE,
Craft*

MERCEDES BERNARD

Software engineer by day,
crafter by night



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Crochet

Old Fashioned



Photo credit: Alex Proimos



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Unrelated



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Craft

noun

A pastime or profession that requires skilled work, sophisticated technique, and science upon knowledge.



CODE AS *Craft*



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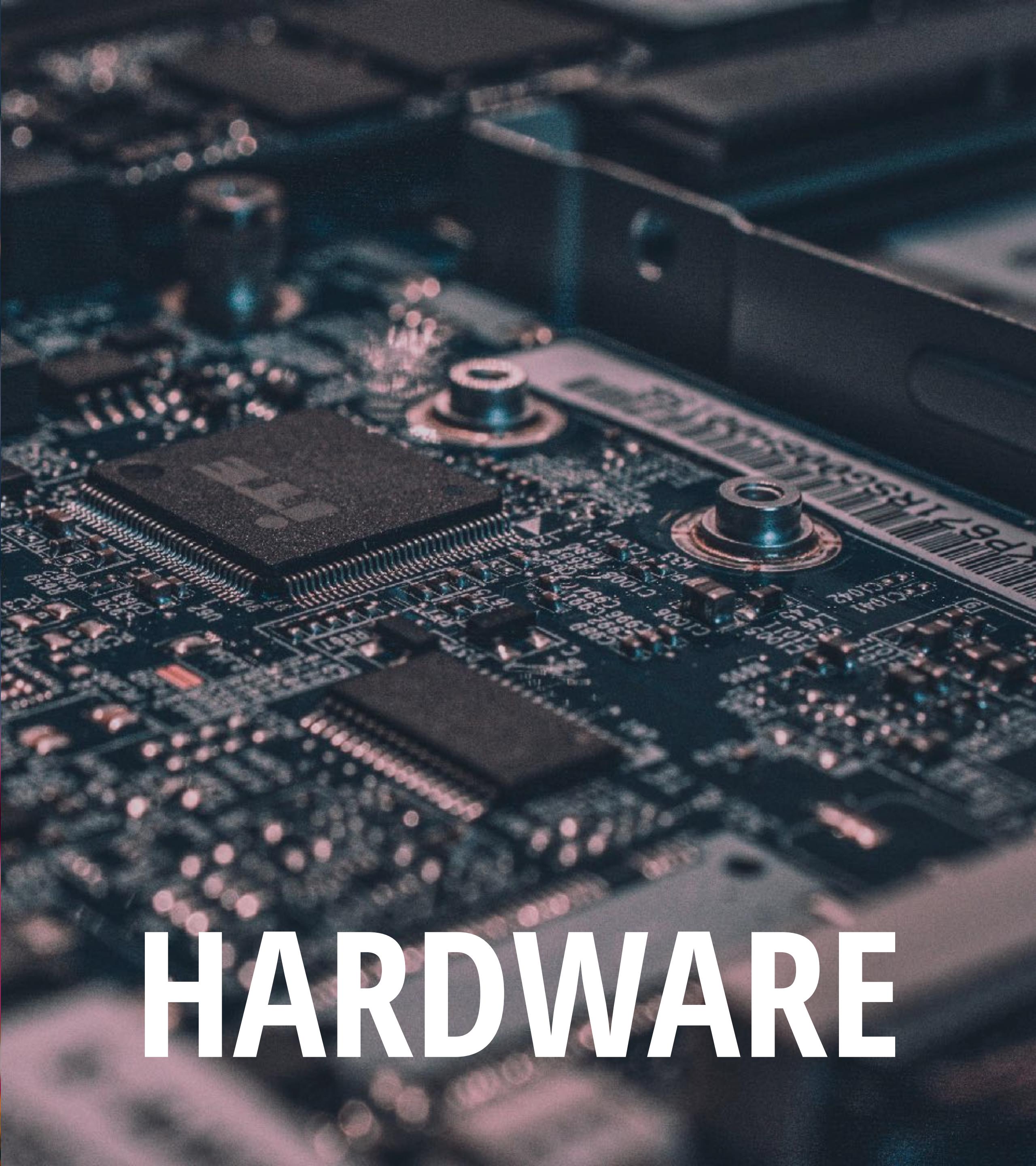


Pattern Designer



A close-up photograph of a person's hands knitting with pink yarn and needles. The person is wearing a colorful, patterned sweater with a red, blue, and yellow design. The background is dark and out of focus.

Maker

A close-up photograph of a printed circuit board (PCB) with various electronic components, including chips and capacitors. The board is dark with blue and green markings. The background is blurred.

HARDWARE

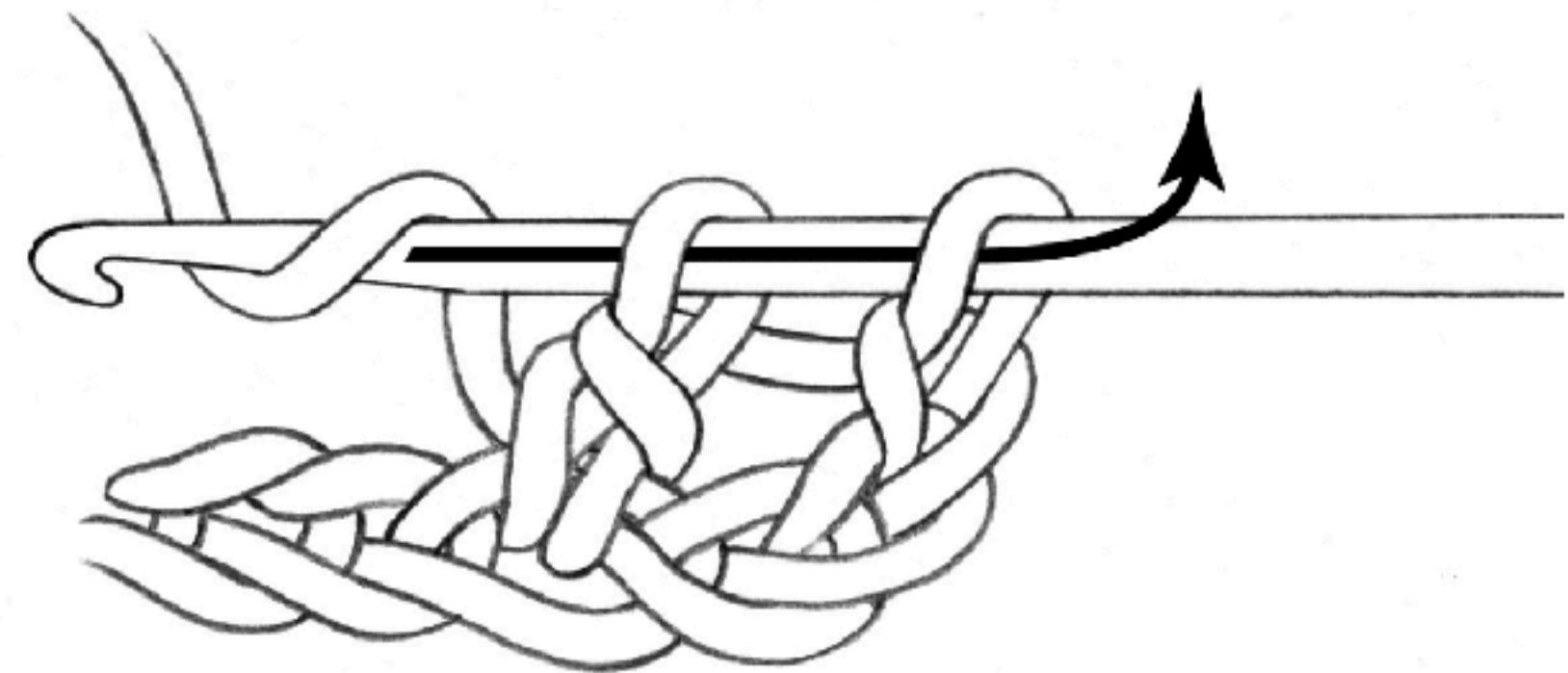
THE BEST INSTRUCTIONS
ARE *Simple* AND *Elegant*





physical
MANIFESTATION
OF AN
ALGORITHM

Yarn over, draw yarn through 2 loops on hook (2 loops remain on hook).



```
def get_stitches
  parser = @parser_factory.get_row_parser(@instructions
    [*parser.parse])
end
```

Row 5: Ch 7 (counts as 1 tr and 3 ch), * dc in sc, ch 3, sc in center CL of shell, ch 3; rep from * to 2 center sc, (dc, ch 3, tr) in next sc, (tr, ch 3, dc) in next sc, ch 3, sc in center CL of shell, ch 3, rep between * and * to last sc, (dc, ch 3, tr), turn.

```
def make
  instructions = []
  @repeat.times { |i| instructions << @children.map(&:make).join(" ") }
  instructions.join(" ")
end
```

Row 4: Ch 1, sc in first tr, shell in next dc, * sc in next sc, shell in next dc; rep from * to 2 center to next dc, rep between * and * to end, sc in 4th ch of beg ch-7 of previous row, changing to next color.

Row 5: Ch 7 (counts as 1 tr and 3 ch), * dc in sc, ch 3, sc in center CL of shell, ch 3; rep from * to 2 center sc, (dc, ch 3, tr) in next sc, (tr, ch 3, dc) in next sc, ch 3, sc in center CL of shell, ch 3, rep between * and * to last sc, (dc, ch 3, tr), turn.

Rep Rows 4 and 5 only, changing colors every 2 rows, until yarn is used up or piece measures desired length.

```
class Row < Instruction
  def initialize(instructions)
    @instructions = instructions
    @parser_factory = ParserFactory.new
  end

  def make
    @stitches ||= get_stitches
    @stitches.map(&:make).join(" ")
  end

  def get_stitches
    parser = @parser_factory.get_row_parser(@instructions)
    [*parser.parse]
  end
end
```

Process



Design & ARCHITECTURE



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CHOOSING THE *tools*

Reuse

Frogging

REFACTORING



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Pattern testers

QA/USER TESTING



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Code IS Craft



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A close-up photograph of a wooden chair with a woven seat. Three skeins of yarn are resting on the seat: one light grey, one dark teal, and one white. The background is dark and out of focus.

WHAT CAN WE *learn*

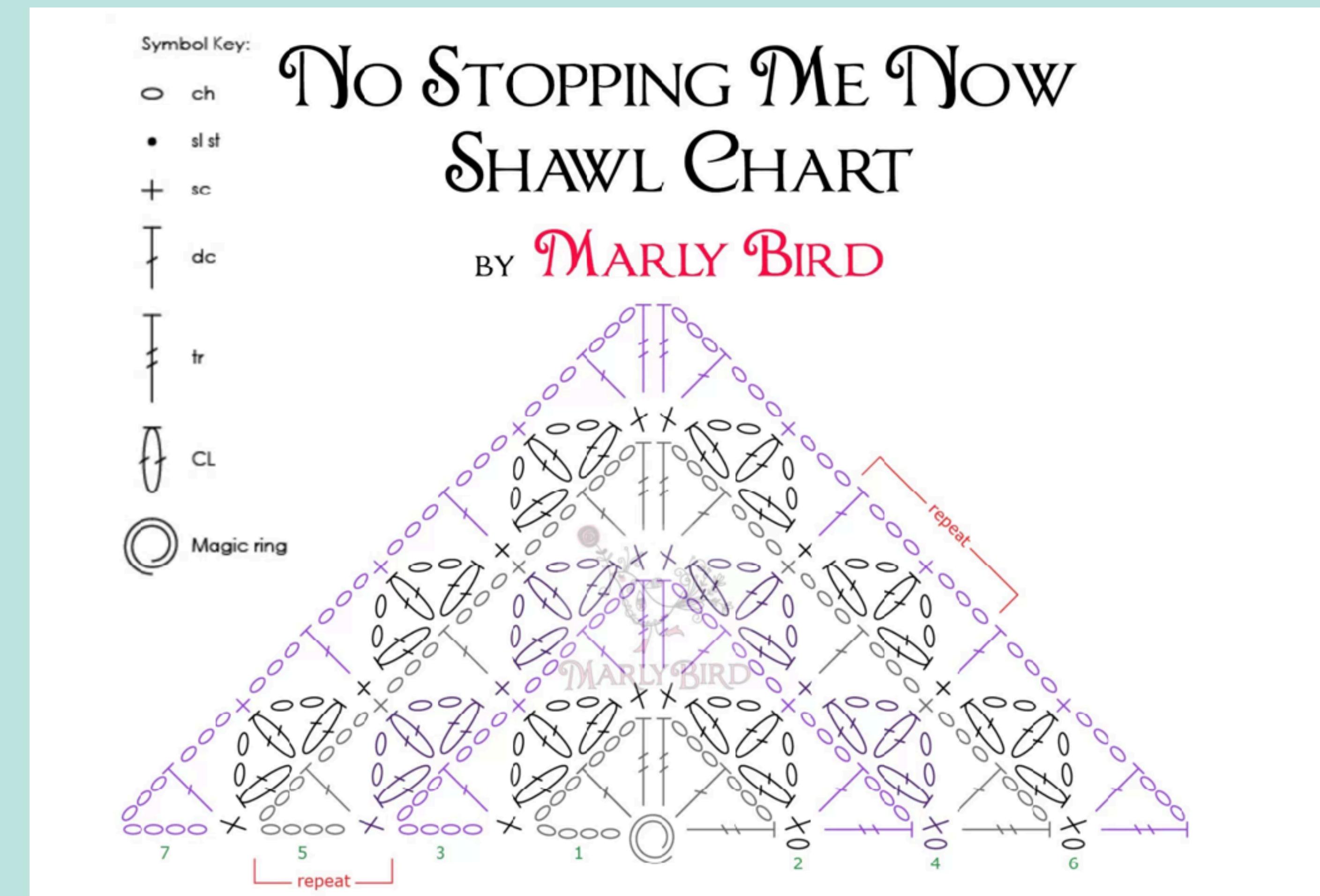
CLARIFYING *shared* LANGUAGE



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Multiple MODES OF COMMUNICATION





Break THE RULES



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A photograph of a group of people in a warm, indoor setting. In the foreground, a woman with blonde hair is seen from behind, wearing a textured, dark-colored sweater. She is smiling and looking towards the left. To her left, another person's face is partially visible, also smiling. The background is softly lit, creating a cozy atmosphere.

Welcoming COMMUNITY



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Multidisciplinary APPROACH

A close-up photograph of a person's hand holding a glowing incandescent lightbulb. The bulb is illuminated, casting a warm, orange glow. The hand is positioned in the center, with the fingers supporting the base of the bulb. The background is dark, making the light from the bulb stand out. The overall mood is mysterious and focused.

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DEV TOGETHER MEETUP

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[MEETUP.COM/DEVTOGETHERCHI](https://www.meetup.com/devtogetherchi)

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Questions?

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