

1 eDrum

2 Arch

3 Tunescriber

Tunescriber



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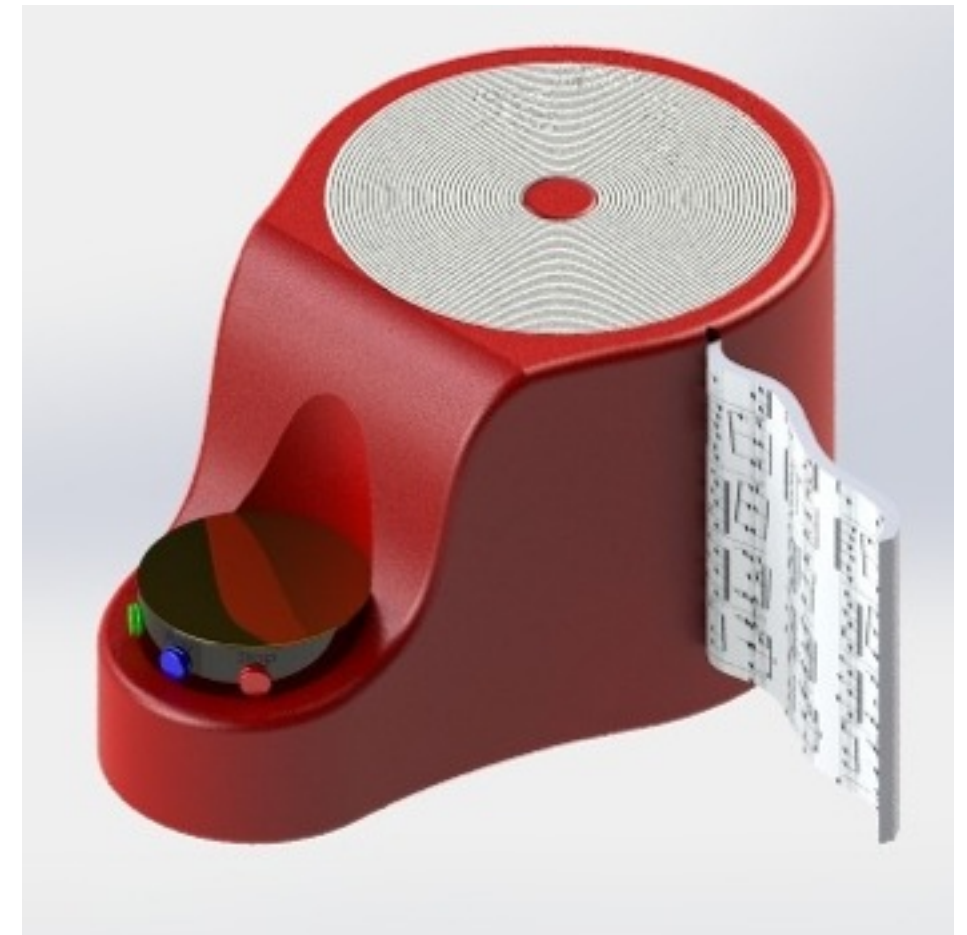
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Tunescriber

- detects sounds
- outputs musical notes
- prints musical score



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ScoreCleaner

- no printing
- background noise

Sibelius

- expensive
- specialized for instrument
- not portable

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How do we **capture musical inputs?**

How do we **map the input to notes?**



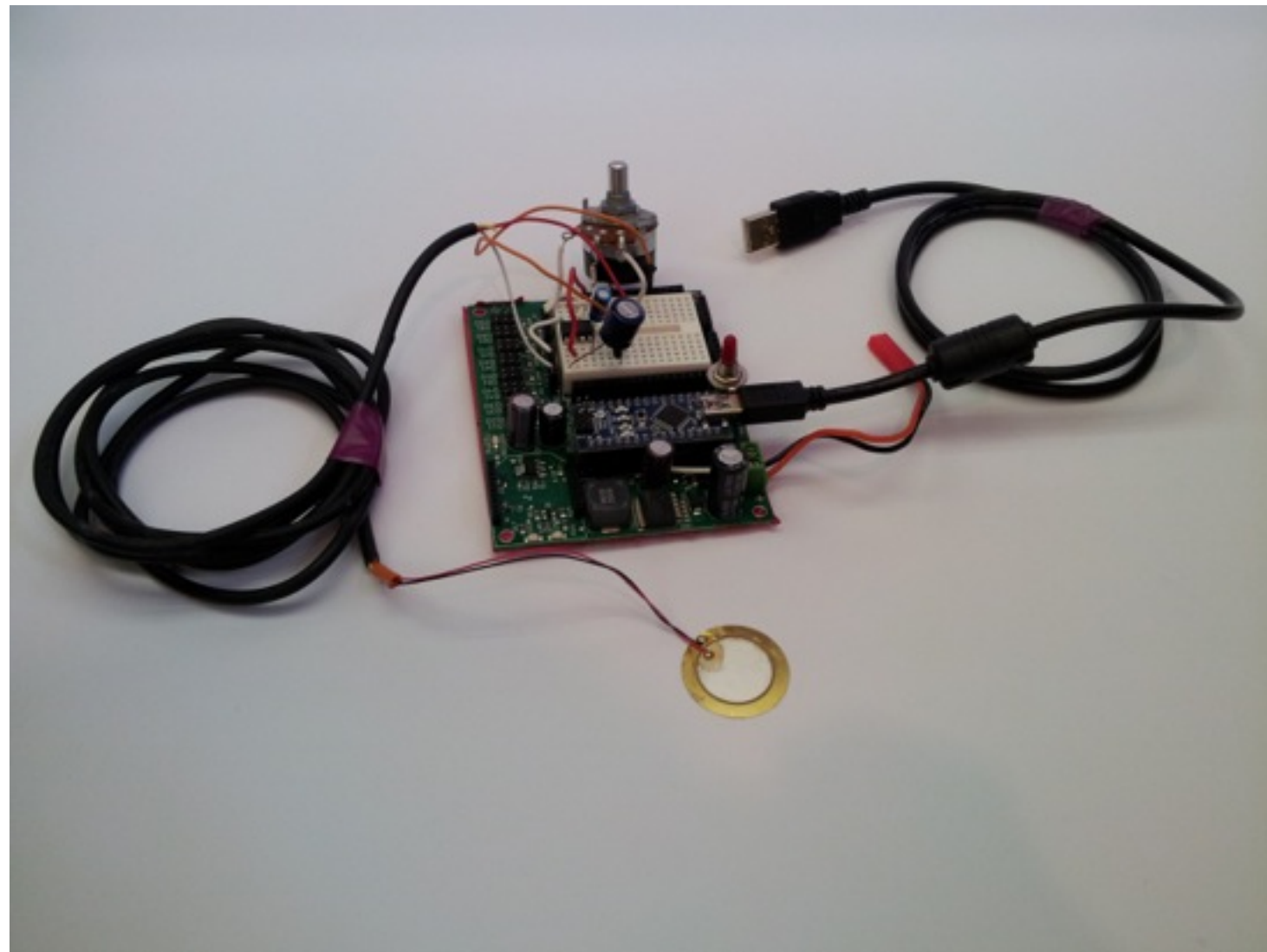
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Sensing and Analysis



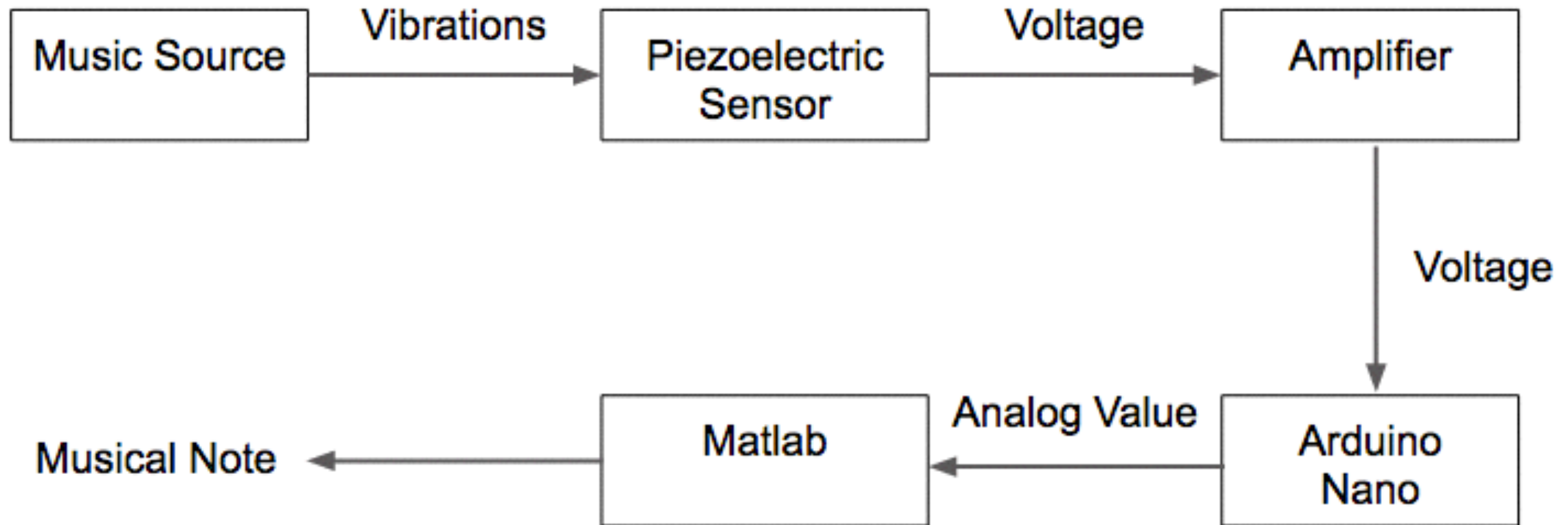
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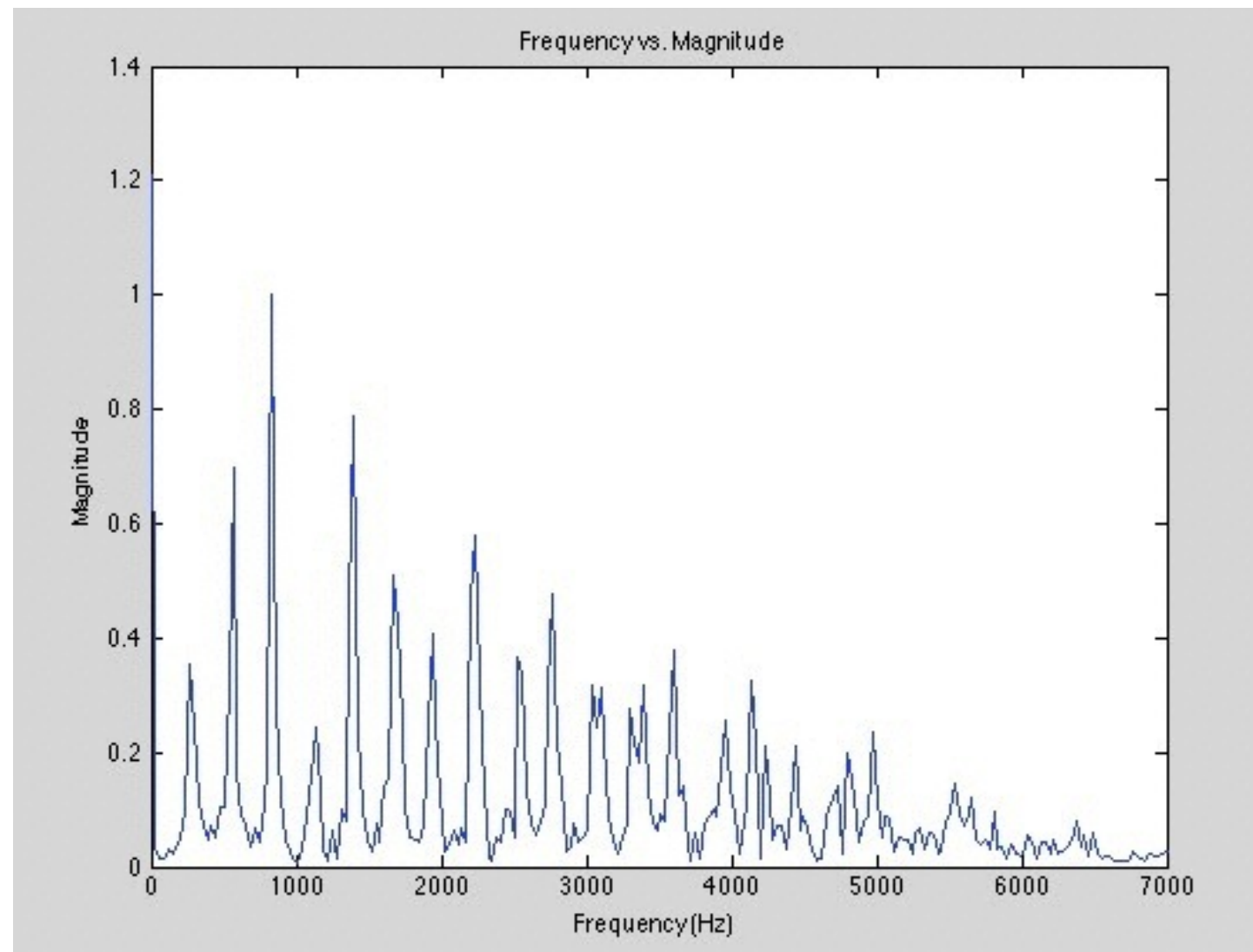
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Sketch Model Output

fundamental frequency: 300 Hz



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Market

- 52% of US households have one musician
- 150K music educators



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