

Symphonic**Harmonics**

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Concept Motivation

- # Portable, interactive music keyboard
- # Many instruments with a variety of ways to play
- # Composing tool that keeps track of notes played
- # Interfaces with Android for visual display
- # Roll-able, various sensors (pressure, accelerometers etc)



Competitive Analysis

Yamaha Keyboards

- # Multiple instruments, sound recording
- # Reviews: Bulky, limited mobility, no phone interfacing



Roll-able piano keyboards

- # Highly portable, popular
- # Reviews: limited sounds, hard to press, limited/no composing aids or feedback, no phone interfacing

Smartphone piano applications

- # Good sound quality and recording capabilities
- # Reviews: Lacks tactility, not realistic size for composing, not standalone



Technical Specifications

- # Arduino Bluetooth
- # Pressure sensors/buttons
- # Accelerometers
- # Speakers
- # Fabric mat
- # Multi-color LEDs

