# Heqet Tutorial

By Isaac Reilly advised by Donya Quick senior project for the Yale University major in Computer Science

# Contents

### 1 Heget for Euterpea Users

## 2 Heqet for Lilypond Users

#### 2.1 Note input

#### 2.2 Differences from Lilypond input

There are several differences between the Heqet note-input domain-specific language and Lilypond input, for a variety of reasons.

- You can enter notes with any rational duration with the \d syntax, for example c\d 4/5 to make a note with a duration of 4/5 of a WHAT. You can omit the denominator if it's 1. This is currently the only way to enter notes of the durations needed for a tuplet.
- hz
- c-( for slurs (sorry)
- no clefs or time signatures
- functions, commands, \with . Lilypond parsing problems
- only absolute entry at the moment.
- percussion notation \phh for hi-hat. When you enter notes, you don't need to specify that they must be rendered in a DrumStaff. They should be automatically rendered well, although support for percussion is currently minimal.
- no way to manually write beams, as this is not something the musician should need to worry about.
- 2.3 Making a score
- 2.4 Lilypond tweaks
- 3 Advanced topics