

LaTeX_{ToBeMarked}project

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1 Section1

My favourite topics in Computer Science and Linguistics:

1. machine learning
2. genetic algorithms
3. programming
4. narrow AI projects
5. phonology
6. speech synthesizers
7. language resources

2 Section2

In English:

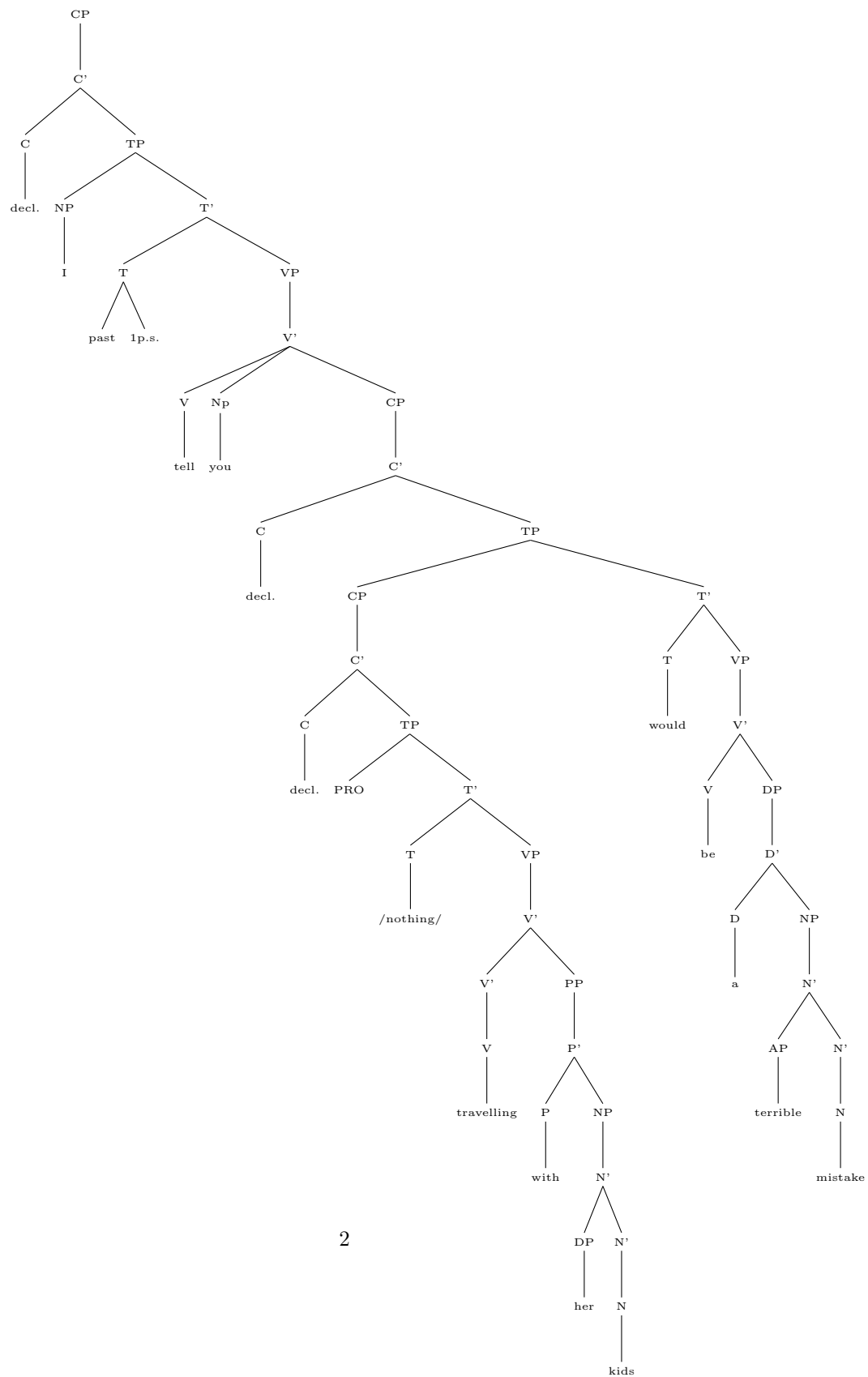
/ˈmaɪ ˈneɪm ɪz ˈmɑːtʃɪn ənd aɪ ˈstɑːdɪ ˈnæɪtʃərəl ˈləŋɡwədʒ ˈprɒsesɪŋ æt ðə ˈjuːnɪvɜːsɪti əv ˈɡdʌnsk || brɪfɔː ˈðæt | aɪ əˈtendəd ˈɪŋɡlɪʃ ˈstɑːdɪs ɪn kɔːfəlm | wəː aɪ ˈhəʊnd maɪ ˈləŋɡwədʒ ˈskɪls || ɪn maɪ ˈspəː ˈtɑːm aɪ ˈtraɪ tə ˈlɔːn kəmˈpjʊtə ˈləŋɡwədʒɪz ˈsɑːtʃ əz html | css ənd c++ ||/

In Polish:

/ˈɡram ˈruv nɛʒ na ɡɪˈtaʒɛ ɛlɛkˈtrɪtʃnɛj v zɛsˈpɔlɛ ||/

3 Section3

We told you travelling with kids would be a terrible mistake.



4 Section4

- Tapping:

$$/t/ \rightarrow [r] / [\text{ +vowel }]_- \left[\begin{array}{c} \text{+vowel} \\ \text{-stress} \end{array} \right]$$

- Spirantization:

$$\left[\begin{array}{c} \text{+stop} \\ \text{-voice} \end{array} \right] \rightarrow \left[\begin{array}{c} \text{+voice} \\ \text{-stop} \\ \text{+fricative} \end{array} \right] / [\text{ +vowel }]_- [\text{ +vowel }]$$

- Nasalization:

$$[\text{ +vowel }] \rightarrow [\text{ +nasal }] / _ [\text{ +nasal }]$$

5 Section5

$$f(n+1, k+1) = \sum_{i=1}^{k+1} f(n, i) 2^{k+1-i} + f(n, k+1)$$

6 Section6 - physics package

$$\nabla^2[\Psi+] \frac{\partial^n f}{\partial x^n} = \frac{\delta}{\delta V}(E-TS) + \delta F/\delta x$$