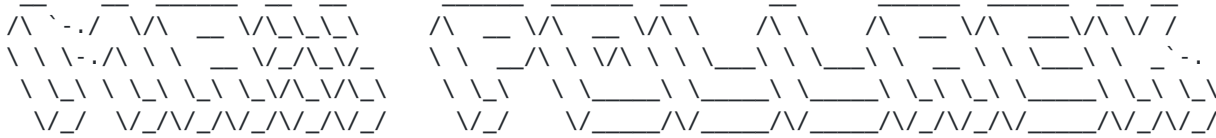


README.md



WEBSITE: maxis.cool

EMAIL: mail@maxis.cool

CV: maxis.cool/cv

Indie Audio Programmer, 9/19 - Now

digital signal processing, music production software

- [Frequency Explorer: a microtonal additive synthesizer](#) [HTML](#) [CSS](#) [JavaScript](#)
- [scalemap: a math-enabled string format for musical tunings](#) [C](#) [C++](#) [JavaScript](#)

Programmer @ The Recurse Center, 7/19 - 9/19

a self-directed, community-driven educational retreat for programmers

- [Repitch: a real-time, MIDI-controlled audio harmonizer](#) [C++](#) [JUICE](#)

Research Intern @ Numenta, 12/18 - 4/19

machine learning, theoretical neuroscience

- [Localization in simulated 1D + 2D environments with simple recurrent networks](#) [Python](#) [PyTorch](#) [Matplotlib](#)

MS, Astronomy @ The University of Wisconsin-Madison, 6/15 - 8/17

binary star systems, stellar evolution models, observational astronomy

- ["A Curiously Young Star in an Eclipsing Binary in an Old Open Cluster"](#) [IRAF](#) [IDL](#) [Python](#)

BS, Physics @ The College of New Jersey, 8/11 - 5/15

galactic jets, time-domain astrophysics, computational fluid dynamics

- ["Variability in Active Galactic Nuclei from Propagating Relativistic Turbulent Jets"](#) [Mathematica](#) [C](#) [FORTRAN](#)