README.md

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         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++` `JUCE`

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`