

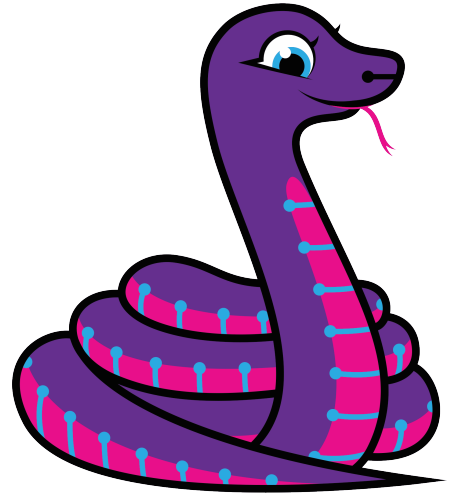
Simplicity and Fun: Learning with CircuitPython

Kattni Rembor

Twitter: @kattni
Discord: @kattni
GitHub: kattni

What is CircuitPython?

- It's Python
- Runs on microcontrollers
- Open source software



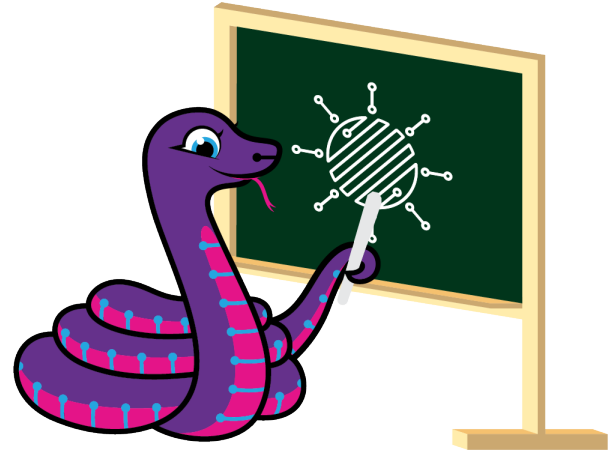
Why would you use it?

- Development always considers beginners
- Lowers the barrier for entry
- Getting started is simple
- The “First Five Minutes”



Educator Demographics

- Previous teaching experience
- Pre-CircuitPython content
- Student age and education level
- Learning CircuitPython to teach it

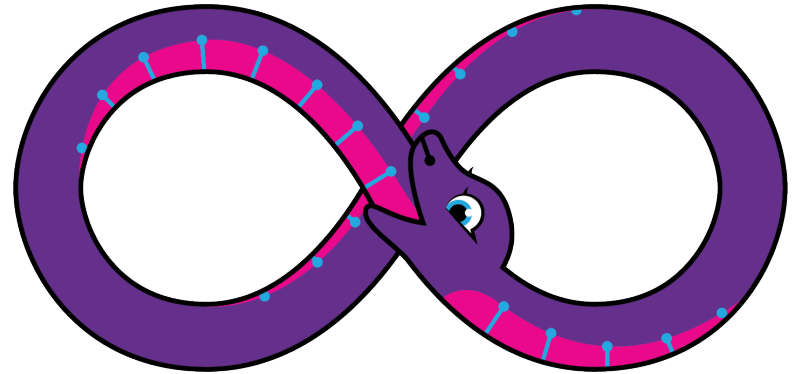


Education Experience

- Teaching has been a positive experience.
- The choice to switch to CircuitPython
 - Simple to use
 - It's Python
 - Tangible, physical world manipulation

CircuitPython Ecosystem

- Adafruit Learn System
- Adafruit Forums
- GitHub
- API documentation
- CircuitPython community



CircuitPython Community

- Adafruit Discord
 - #help-with-circuitpython channel
 - #circuitpython-dev channel

CODE + COMMUNITY = circuitpython

Student Engagement

- Ease and difficulty level
- Tangible results
- Wearability



Skill-Building

- Not all students will continue to computer science
- Learning CircuitPython requires building various skills
- Allows for teaching important skills for the future

Resource Links

- Talk content and more: <https://github.com/kattni/PyCon2022>
- Adafruit Learn System: <https://learn.adafruit.com>
- Adafruit Forums: <https://forums.adafruit.com>
- Core Documentation: <https://docs.circuitpython.org>
- Adafruit GitHub: <https://github.com/adafruit>
- Adafruit Discord server: <https://adafru.it/discord>

Thank you!

Find me:

[@kattni](#) on Discord and Twitter

[@kattni@octodon.social](#) on Mastodon

kattni@kattni.com

<https://kattni.com>



Special thanks to my Lovely! level GitHub sponsors: Torgny, Futari, Carter and Scott!

[@kattni](#)