

Desktop *Native* Applications using *Electron* and *Python*

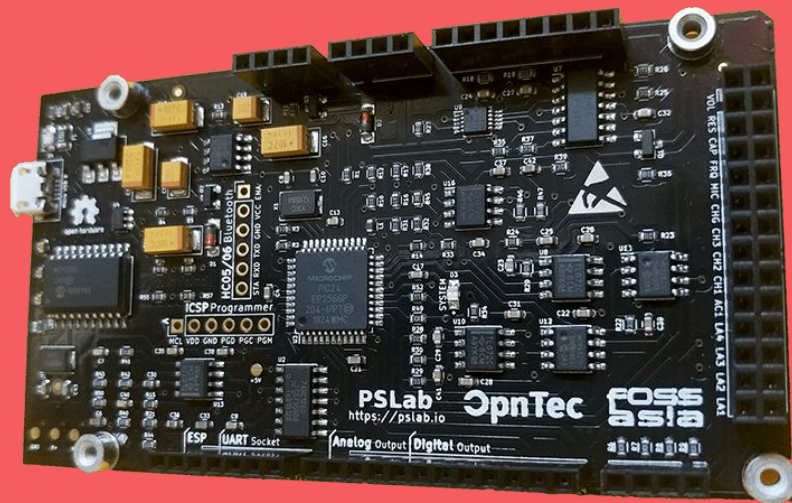
TLDR;



Where have
we used this?

An open source desktop app for PSLab

- Cross platform
- Real time graphs that are REALLY performant
- Beautiful user interface (Thanks to React)
- Makes use of the existing **python libraries** for hardware communication



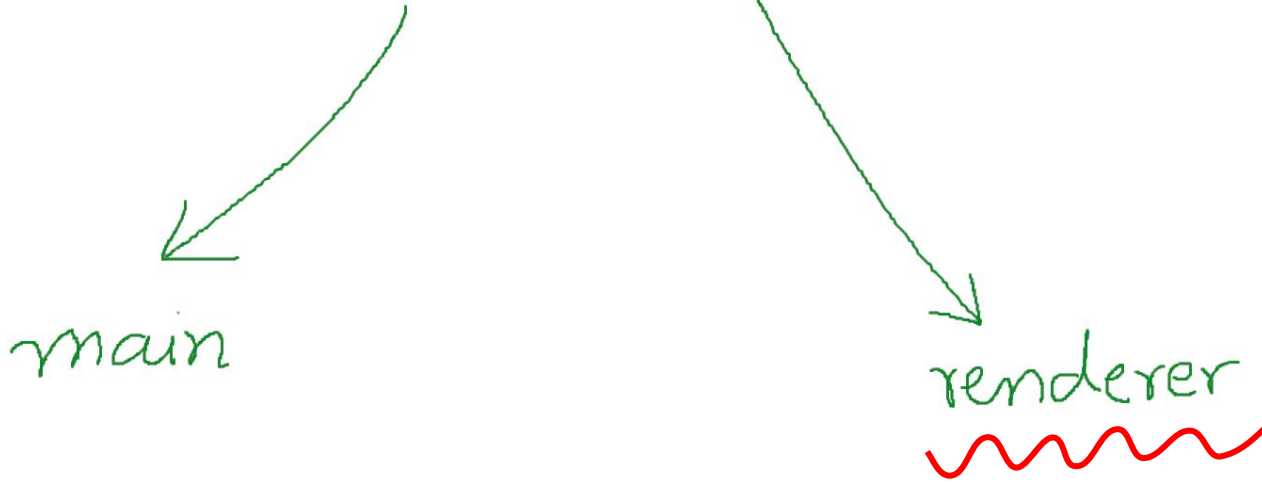
Electron!!

What's that?

Well, it's a subatomic particle but we tech folks love stealing names... So, deal with it.

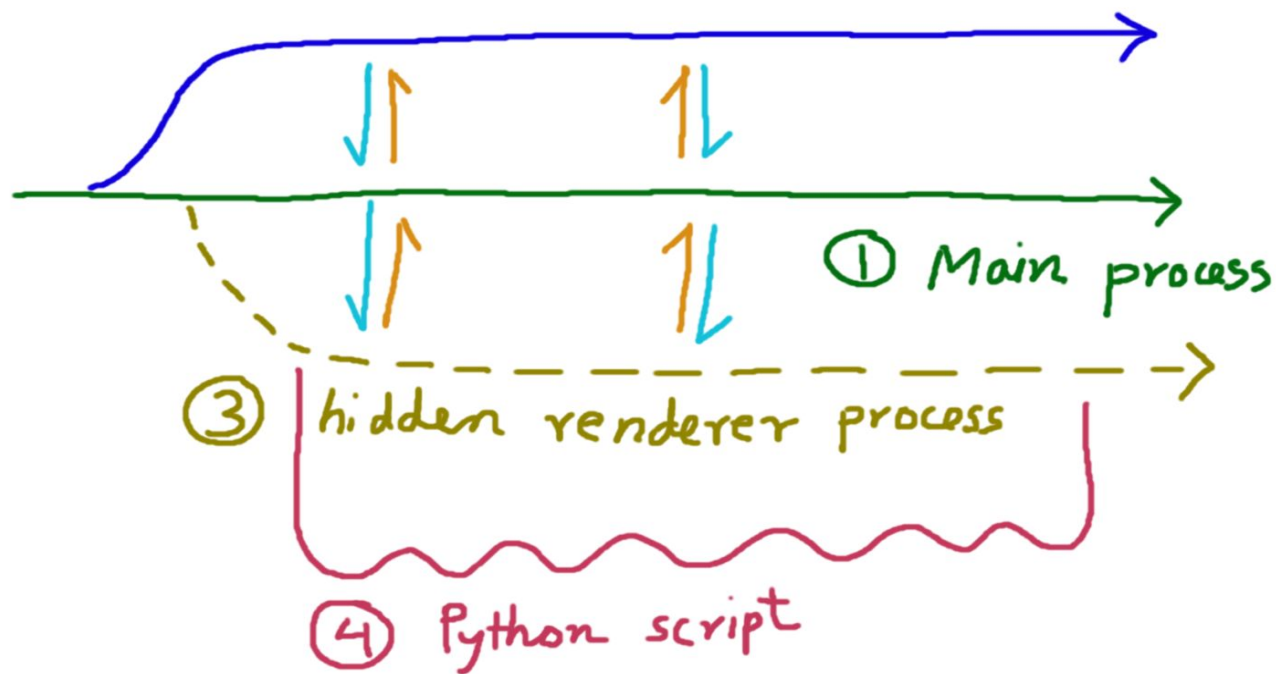


Types of processes



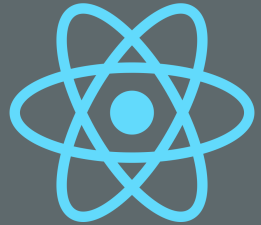
- A process is nothing but a **thread**.
- One main process per application
- **Multiple** renderer threads **allowed** per application (This is where the magic happens)

② visible renderer process



What is **React** doing in all this?

SPA



One window, One tab

The background features a dark gray gradient. Scattered across the slide are approximately 12 small, square icons. Each icon has a yellow border and a light blue/purple pixelated pattern inside. They are positioned at various points around the central text, creating a decorative frame.

Why Python?

Coz coders are lazy...

You know what, I'll
use QT



FIN