

Hello

Table of Contents

About	2
Projects	3
Devlog	4
2026-06-07 Reader Effect	4
2026-06-07 Effectful Example	5
2026-06-01 Effectful	6
2026-05-31 Weather System	6
2026-05-31 RSS	6
2026-05-28 Meow	7

About

Welcome to my homepage. Here you can find my devlog.

I think browser engines are too complex. So, this website is a PDF document.

There is an [RSS feed](#) at [./rss.xml](#).

Projects

[litmark/](#)

a portable literate-programming tangler
written in Fennel

[mill.py/](#)

a Markdown interface to LLMs written in
Python

DevLog

2026-06-07 Reader Effect

Removed the p-parameter by using the Reader effect. Also, eliminated the use of Maybe by putting the IO action itself in the state.

```
evalState (return () :: IO ()) $ do
  Ê (drawAddHandler, fireDraw) <-
  Ê liftIO newAddHandler

  Ê setup $ do
  Ê   h <- windowHeight
  Ê   w <- windowWidth
  Ê   createWebGLCanvas w h

  Ê   font <- loadFont "/static/monogram.ttf"
  Ê   sheet <- loadImage "/static/Cat_Grey.png"
  Ê   put $ fireDraw (font, sheet)

  Ê draw $ get >>= liftIO
```

2026-06-07 Effectful Example

Another example of Effectful, distributing a single state over multiple JS callbacks.

```
evalState (Nothing :: Maybe Assets) $ do
  Ê setup p $ do
    Ê h <- windowHeight p
    Ê w <- windowWidth p
    Ê createWebGLCanvas p w h
    Ê font <- loadFont
    Ê           "/static/monogram.ttf" p
    Ê sheet <- loadImage
    Ê           "/static/Cat_Grey.png" p
    Ê put $ Just (font, sheet)

  Ê (drawAddHandler, fireDraw) <-
  Ê liftIO newAddHandler

  Ê draw p $ do
  Ê assets <- get @(Maybe Assets)
  Ê mapM_ (liftIO . fireDraw) assets
```

2026-06-01 Effectful

An example that shows how to use the Effectful library: <https://github.com/bcardiff/lambda-library/blob/main/app-effectful/Main.hs>

2026-05-31 Weather System

I've always felt like the Zelda world is somehow more alive than the GTA world even though there are a lot more characters in the GTA world.

Perhaps it's the weather system. In Zelda the weather itself affects Link's health. It also has lunar cycles.

2026-05-31 RSS

There is now an RSS feed at [./rss.xml!](#)

2026-05-28 Meow

Haskell kitty says meow.

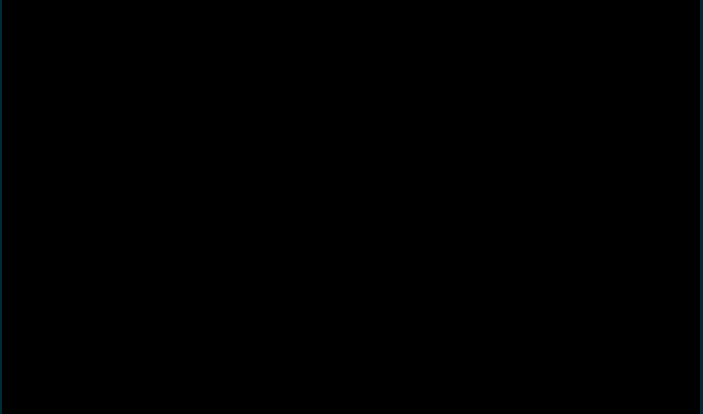


Figure 1. Meow!

Cat asset

<https://bowpixel.itch.io/meow-cat-85-animation>

Font asset

<https://datagoblin.itch.io/monogram>