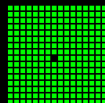


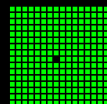
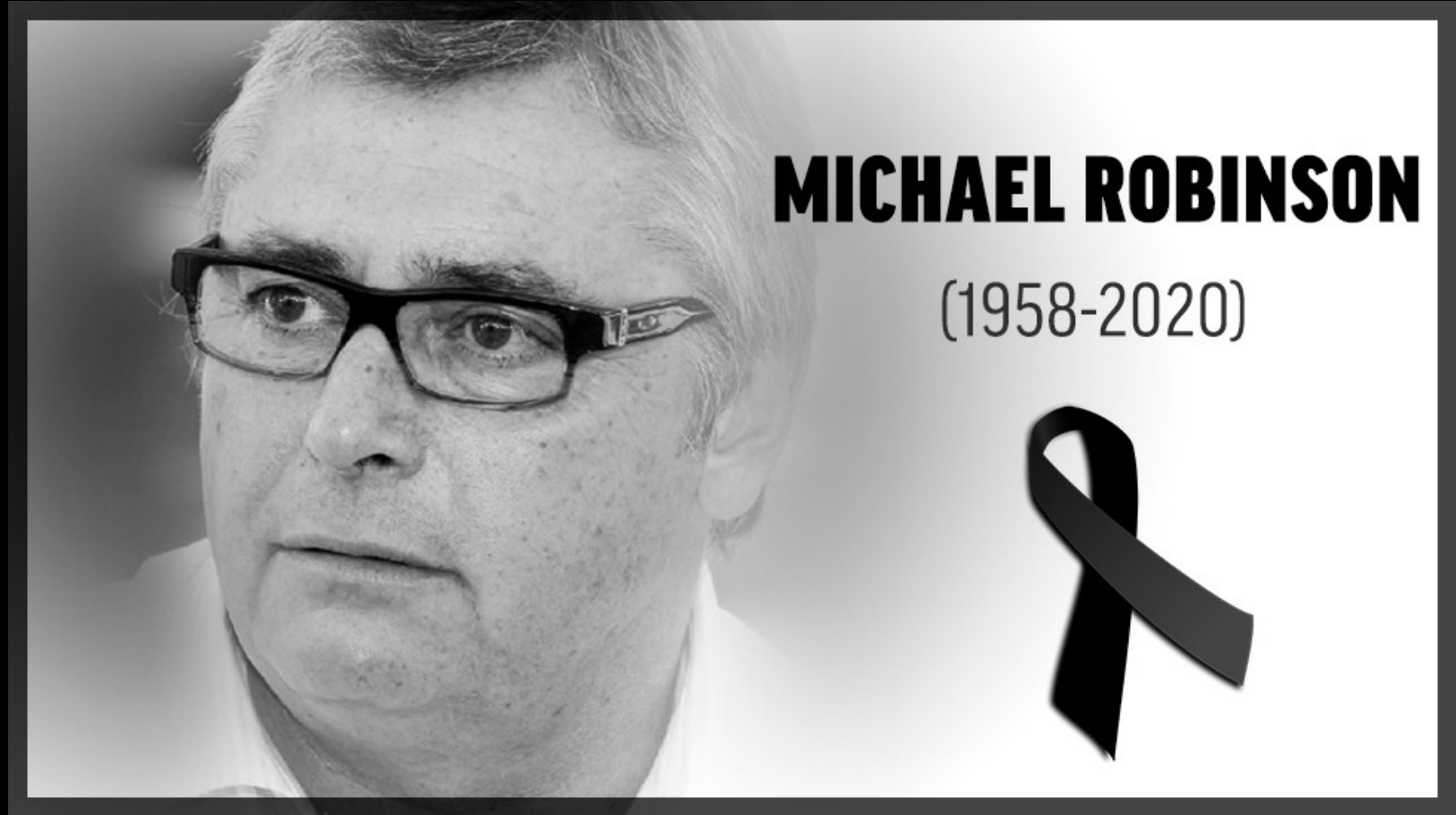
Hacking on PKF files

My tribute to Michael Robinson and the PC Fútbol Community
(Mr. Math, SPISE MISU ApS)

2020-07-16 @ HackMadrid %27



My tribute to Michael Robinson (RIP)

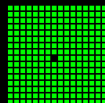


Overview

- About me (very shortly)
- Background
- PCx-Utills
- Demo
 - Based on the **journey** (patterns and converter) **from** knowing **nothing** to the **tools**

Note: Slides are released under the CC BY-SA license

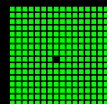
- Creative Commons Attribution-ShareAlike (“copyleft”)



About me (very shortly)



- **Mr. Ramón Soto Mathiesen** (*Spaniard* + *Dane*)
- MSc. Computer Science and minors in Mathematics
- **CompSci** @ SPISE MISU ApS
 - Trying to solve EU GDPR with a scientific approach (<https://uniprocess.org>)
 - Permissive copyleft license (LGPL-3.0)
 - Mostly with **Haskell** and to a lesser extend **Elm** (**PureScript**)
- Member of the Free Software Foundation (FSF) since **November 2007**
- Founder of Meetup F#unctional Copenhageners EST. **November 2013**
- Blog: <http://blog.stermon.com/> (slides under /talks/)

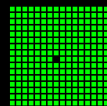


Matching of expectations

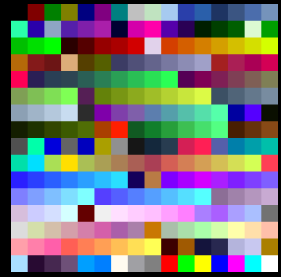


- There are **very few slides** as I would **rather showcase** the **tools (+ code)** from a **terminal/IDE** and **invite** the **audience** to participate on an **ongoing Q&A** for the **hole session**
- I will show that when using tools having support for **parser combinators**, **algebraic datatypes** (AST) and **type classes**, can be really useful for projects like this as they can help to **discover patterns** but also to ensure: **simplicity**, **structure** and **correctness**.

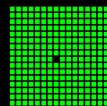
Note: There will be **shown code**, but it's **not necessary** to know **how to code** as it (hopefully) will remind of plain **English**



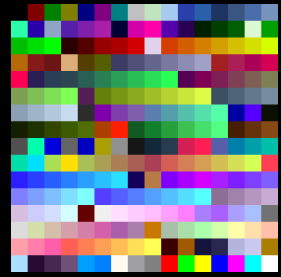
Background



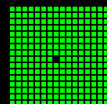
- **Two years ago**, it was the **25th anniversary** of the first edition of PC Fútbol (*):
 - Pablo Ruiz interview (Spanish)
 - Gaby Ruiz interview (Spanish)
- Thanks to Wine, I was able to install it on my ***nix** box
- There is a **Community** (PCFutbolManía) that tries to keep the games **up-to-date** with the **newest players** and **teams +25 years later**
 - it takes **a lot of effort**, as it's **mostly a manual process**
 - it takes **about a day to update a team** (there are **+480 teams**)
- (*) - It's **initial version** was actually **2.0** and it was **sold as a magazine** as the **VAT** was **lower** and therefore resulted in a **cheaper price**



PCx-Utills

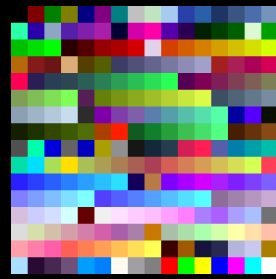


- Main goal is to **automate as much as possible** the task of **updating data**
 - I knew about the **EA Sports** FUT/FIFA API (**free** and **no registration required**)
 - Sadly **it isn't updated anymore**, but still available though
 - Found **alternative** FUTBEST (still **free** and **no registration required**)
 - Some fields aren't populated with **FUT/FIFA** data (maybe only delivered with a **premium** account?)
 - Other goals are:
 - **Open project**, copyleft licensed, that would allow **people to contribute** but mostly **learn** in order to **spawn** other **similar projects** (*) for the **benefits of the Community**
 - **Edit data** by the **end-users** preferred **text editors** which would **allow most people to use the tools**
- (*) My **focus** has been **only** on **PC Fútbol 6.0** as “it is the best football manager in history”



Demo

Cpu: 013% 008% 038% 011% | Temp: 066°C 060°C 054°C 057°C | Mem: 008% |



PC FÚTBOL 6.0 TEMPORADA 97-98



HISTORIA



BASE DE DATOS



LOS GOLES
DE LA LIGA



eXtensión 1

eXtensión 2



SEGUIMIENTO



PARTIDO AMISTOSO



DESAFIO
AMÉRICA-EUROPA

PCCALCIO PCPREMIER
PCFÚTBOL PCFRANCE



LIGA MANAGER



LIGA PROMANAGER



PROQUINIELAS 2.0



F2.12



Instrucciones



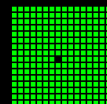
Infútbol



Créditos

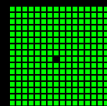


SALIR



Summary

- I hope others realize that tools having support for **parser combinators**, **algebraic datatypes** (AST) and **type classes**, are useful for projects like this as they can help to **discover patterns** but also to ensure: **simplicity**, **structure** and **correctness**.
- Only one **final** thing **to do** ...



Make PCx-Utills repo public



<https://gitlab.com/spisemis/pcx-utils>

