Programming: RcppClassic, LLVM, Rust, Python and Django

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- **Dirk Eddelbuettel: RcppClassic 0.9.12** **[2]**

  A maintenance release 0.9.12 of the RcppClassic package arrived earlier today on CRAN. This package provides a maintained version of the otherwise deprecated initial Rcpp API which no new projects should use as the normal Rcpp API is so much better.

  Changes are all internal. Testing is now done via tinytest, vignettes are now pre-built and at the request of CRAN we no longer strip the resulting library. No other changes were made.

  CRANberries also reports the changes relative to the previous release from July of last year.

- **[llvm-dev] [10.0.0 Release] Release schedule** **[3]**

  ```
  Hello everyone,
  I know 9.0.1 is still in full swing, and 10.0.0 isn't due for some
  time, but I'd like to get the schedule settled well before we start.
  Below is my proposed timeline. It's essentially the same as last time.
  - 15 January 2020: Create the release branch, Release Candidate 1
  ships soon after
  - 5 February 2020: Release Candidate 2
  - 26 February 2020: Final (this usually slips a little, but let's try r
  Please let me know what you think.
  Thanks,
  Hans
  ```

- **LLVM / Clang 10.0 Should Be Out In Late February Or Early March [4]**

  Google's Hans Wennborg is once again stepping up to manager the next feature release of LLVM and sub-projects like Clang. If all goes well, LLVM 10.0 will be out with Clang 10.0 and friends before the end of February.

  For the projected release date of 26 February to be realized, Wennborg is aiming to branch the code (and thereby the feature freeze) around 15 January and after that to issue the first release candidate.

- **Niko Matsakis: Async Interview #2: cramertj [5]**

  For the second async interview, I spoke with Taylor Cramer ? or cramertj, as I?ll refer to him. cramertj is a member of the compiler and lang teams and was ? until recently ? working on Fuchsia at Google. They?ve been a key player in Rust?s Async I/O design and in the discussions around it. They were also responsible for a lot of the implementation work to make async fn a reality.

- **More fun with Jinja2 templates [6]**

  When last I left this discussion, I was advocating using Python 3 dataclasses to wrap Jinja2 templates. I had another idea and a chance to experiment with it, and I was reasonably happy with the results.

  Can the dataclass corresponding to the Jinja2 template be used by the test suite to check that all required parameters for a template are present in the dataclass?

  The answer is mostly yes, although unfortunately there are some substantial caveats because Jinja2 doesn't provide all of the tools that one would like to analyze parsed templates.

- **Django Weblog: 2020 DSF Board Election Results [7]**

  Our 2020 Django Software Foundation Election results are in. The Top 7 candidates are listed below in order of their ranking:

  Frank Wiles
  Anna Makarudze
  James Bennett
  William Vincent

Kátia Nakamura
Aaron Bassett
Sayantika Banik

Development

Source URL: http://www.tuxmachines.org/node/131512

Links:
[1] http://www.tuxmachines.org/taxonomy/term/145
[2] http://dirk.eddelbuettel.com/blog/2019/12/09#rcppclassic_0.9.12
[3] https://lists.llvm.org/pipermail/llvm-dev/2019-December/137445.html
[4] https://www.phoronix.com/scan.php?page=news_item&px=LLVM-Clang-10.0-Release-Sched
[5] http://smallcultfollowing.com/babysteps/blog/2019/12/09/async-interview-2-cramertj/
[6] https://www.eyrie.org/~eagle/journal/2019-12/001.html
[7] https://www.djangoproject.com/weblog/2019/dec/09/2020-dsf-board-election-results/