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How to not write a back-end compiler

Wednesday, 2 October 2019 12:40 (45 minutes)

Compilers are hard and there are always a lot of design decisions involved in trying to come up with the right architecture to target any given piece of hardware. In this talk, Jason will go over some of the design decisions (especially the mistakes) that have been made by the Intel team as well as other established back-ends and how they have worked out in practice. These will be used as motivating examples to discuss current back-end compiler best practices and suggestions for developers working on new back-ends.

Code of Conduct

Yes

GSoC, EVoC or Outreachy

No

Presenter: EKSTRAND, Jason (Intel)

Session Classification: Main Track

Track Classification: Talk (full slot) (closed)