

Instrumentation and Performance Analysis of Distributed Systems with Freud

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Project status

Finalizing interaction with external software (freud), but code is basically done

Report status

Draft accepted by advisor, writing in progress

Task list

-  Develop a simple distributed application based on an RPC library (gRPC) to be used as an initial test environment
-  Develop an instrumentation for the client side, server side, and – crucially – the RPC library
-  Devise a method to save and retrieve measurement logs from all the remote components
-  Design an algorithm to merge the logs from all the systems into a single coherent trace
-  Integrate said trace in the existing statistics tool (freud-statistics) to derive the performance annotations
-  Identify some third-party non-trivial distributed applications and analyze them with the created tool
-  Write the report, ~~prepare the poster and presentation~~
-  Have a pizza