

Resumé – Jan Ječmen

Full name: Jan Ječmen

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Education

Doctor of Philosophy (PhD): 2017-2022 (expected), Czech Technical University, Faculty of Information Technology (Thákurova 9, 160 00, Praha 6), adviser: prof. Jan Vitek (janvitek.org), preliminary research topic: Dynamic deoptimization for R

Master of Engineering: 2014-2017, Czech Technical University, Faculty of Information Technology (Thákurova 9, 160 00, Praha 6), thesis title: Improvements of the RIR bytecode toolchain

Bachelor of Engineering: 2010-2014, Czech Technical University, Faculty of Information Technology (Thákurova 9, 160 00, Praha 6), thesis title: Automated Loop Transformations in C++

Publications

R Melts Brains – An IR for First-Class Environments and Lazy Effectful Arguments, Olivier Flückiger, Guido Chari, Jan Ječmen, Ming-Ho Yee, Jakob Hain, Jan Vitek, DLS 2019 (<https://arxiv.org/abs/1907.05118>)

Attended conferences

SPLASH 2019, Athens, student volunteer

SPLASH 2018, Boston, student volunteer

ECOOP 2018, Amsterdam, student volunteer

ECOOP 2017, Barcelona, student volunteer

ECOOP 2016, Rome, student volunteer

Work experience

Czech Technical University, programming language research lab, since September 2017

Winsite, a.s., software tester, June 2014 to July 2016

Projects

RIR – an alternative IR and interpreter for the R language, optimizations of both the compiler and the interpreter as part of my master's thesis, continued development

schemex – implementation of a subset of the Scheme language for a runtime systems course

Computer skills

Languages: C/C++, Python – advanced; Java, Scala, Javascript, R, Scheme – working level

Platforms: Linux, Windows

Tools: Git

Languages

Czech (native)

English (fluent)