Most Notable Paper Award

Dynamic Languages Symposium

SqueakJS: A Modern and Practical Smalltalk that Runs in Any Browser

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This paper reports on SqueakJS, a fully compatible Squeak/Smalltalk implemented in pure JavaScript. In 2014, it demonstrated that with thoughtful implementation techniques, browsers and their JavaScript VMs can enable applications as dynamic and interactive as Smalltalk environments. Furthermore, the paper details how powerful programming language features such as object enumeration, application snapshotting, custom graphics interfaces, as well as basic file abstractions can be realized inside the browser environment.

Today, SqueakJS continues to be used in education, for web applications, and as environments to preserve important parts of Smalltalk's history, and with it, computing history.

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