

== name

John Regehr

== Please summarize relevant contributions to the LLVM Project. These can include things such as patches, code ownership, bug reports, mailing list posts, blog posts, volunteering at LLVM events, organizing LLVM social events, contributing to the developer meeting paper committee, etc.

My contributions to LLVM include:

- I reported a lot of bugs (well over 100) that were found using Csmith, a randomized compiler tester whose development I oversaw
- I'm the primary developer of C-Reduce, a tool for minimizing programs that trigger compiler bugs, that is used by some LLVM developers
- I'm one of the people behind IOC, an integer overflow checker for Clang that eventually became a part of UBSan
- I help develop Alive, a tool for formally verifying InstCombine optimizations
- I'm a primary developer of Souper, a superoptimizer that has found some missing optimizations in LLVM
- I blog about compiler-related topics, especially LLVM. my blog has a pretty good reach in compilerish academia and industry

== Why do you want to be on the LLVM Foundation board of directors?

LLVM is having an enormous impact on academic compiler research, but so far professors (with a few obvious exceptions like Vikram) have played a pretty limited role in the LLVM community. I'd like to help bridge the gap between academia and the LLVM community. I especially want more students and professors to attend the Dev Meetings!

== What experience or skills can you bring to the board? Which of the above programs could you help drive forward?

I'm a computer science professor working in compilers, and I teach compiler-related courses based on LLVM. My current goal is to push forward LLVM's educational resources, both in the sense of helping people learn LLVM and also in the sense of evangelizing LLVM-based compiler courses and providing educators with high-quality LLVM-based assignments and slides. I can't do this all myself but I hope to help curate and maintain a collection of such resources.

== We value diversity and representation of the various interested groups working on LLVM and using it. Do you consider yourself representative of a minority group, underrepresented geographic region, etc?

No.

== Which program are you most interested in supporting?

Educational outreach

== What is your second choice program to support?

Grants and scholarships

== How many hours a week can you dedicate to LLVM Foundation business?

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== Are you interested in a speciAc position on the board?

Definitely not treasurer.

== Are you willing and able to help fundraise for the LLVM Foundation?

Yes.

== Is there anything else you would like to add for the board to consider?

No.