

Assistant Professor Kim Hazelwood, Department of Computer Science

U.Va. Computer Scientist Recognized by MIT's *Technology Review*

Kim Hazelwood – One of the World's Top Innovators Under the Age of 35

Technology Review honored Hazelwood for her work in developing a run-time adaptation tool that allows computers to rewrite software programs while they're running, and her work in cross-layer communication to solve future computing challenges.

Hazelwood's research will help to ensure that personal computers' speed and reliability improvements continue into the foreseeable future. Computer scientists are already heavily using Hazelwood's research and software tools.

U.Va. Computer Scientist One of World's Top Young Innovators, According to MIT's *Technology Review*




Kim Hazelwood

Kim Hazelwood was recognized for her work in development of a run-time adaptation tool and in cross-layer communications.

In collaboration with Intel Corp. and a team of researchers, Hazelwood helped develop the software tool “Pin” that enables run-time adaptation. The tool has been downloaded more than 45,000 times by researchers, teachers and students. The research paper presenting “Pin” has been cited more than 700 times in related academic and industrial research.

Traditionally, researchers looked at computers’ various application, middleware, and hardware layers in isolation. In contrast, Hazelwood’s Tortola project leverages communication between the layers together with run-time adaptation.

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