

Dr. Stephen Cooper, Associate Professor
Program Semantics



B.A., Cornell University
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Research Statement

Dr. Cooper has recently taken a two year rotator position for the Division of Undergraduate Education at the National Science Foundation. Rather than writing and submitting his own grant proposals, he'll be evaluating the proposals of others.

Steve's research areas lie in program visualization and semantics. He has been developing Alice-related curricular materials since 1998, and has conducted numerous Alice professional development workshops and lectures throughout the United States. He has been working with Dr. Wanda Dann (Ithaca College) and Dr. Randy Pausch (Carnegie Mellon University). Along with Dann and Pausch, he has written many technical papers on Alice, as well as a textbook, *Learning to Program With Alice* (2006, Prentice-Hall). At Saint Joseph's University, he created a minority outreach program *PATHways to Careers in MAThematics and Computer Science (PACMACS)*, using the Alice course as part of motivating Philadelphia public high school students to consider careers in computer science and mathematics.