

# BRUNO DUFOUR

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## PERSONAL DATA

Date of birth: March 16, 1981  
Place of birth: Montréal, Québec, Canada  
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## EDUCATION

9/2004–Current Ph.D., Department of Computer Science, Rutgers, The State University of New Jersey, Piscataway, USA.  
9/2002–8/2004 M.Sc., School of Computer Science, McGill University, Canada.  
M.Sc Thesis Title: *Objective Quantification of Program Behaviour Using Dynamic Metrics.*  
9/1999–04/2002 B.Sc., School of Computer Science, McGill University, Canada.

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## LANGUAGES

English spoken, read, written.  
French spoken, read, written.

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## HONOURS AND AWARDS

9/2002–4/2003 IT Fellowship, McGill University.  
5/2002–8/2002 Natural Sciences and Engineering Research Council of Canada (NSERC), Undergraduate Student Research Award (USRA).

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## RESEARCH GRANTS

- (Declined) Natural Sciences and Engineering Research Council of Canada (NSERC), Postgraduate Scholarship – Doctoral (PGS D).
- 5/2003–8/2003 Le Fonds Québécois de la Recherche sur la Nature et les Technologies (FQRNT), Bourse de Maîtrise en Recherche B1 (B1 M.Sc Research Grant).

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## RESEARCH EXPERIENCE

- 5/2005–8/2005 Summer internship, Intelligent Application Analysis Group, IBM TJ Watson Research Center, Hawthorne, NY, USA.
- 5/2002–8/2002 Summer internship, Sable research group, McGill University.
- 5/2001–8/2001 Summer internship, Modelling, Simulation and Design Lab (MSDL), McGill University.

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## TEACHING EXPERIENCE

- 9/2004–05/2005 Teaching assistant for 198-111 (Introduction to Computer Science), Rutgers, The State University of New Jersey.
- 1/2003–4/2003 Project mentor – 308-621B (Optimizing Compilers), McGill University.
- 9/2001–12/2001 Teaching assistant for 308-435A (Basics of Computer Networks), McGill University.

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## REFEREED CONFERENCE PUBLICATIONS

1. Bruno Dufour, Christopher Goard, Laurie Hendren, Oege de Moor, Ganesh Sittampalam, and Clark Verbrugge, *Measuring the Dynamic Behaviour of AspectJ Programs*, Proceedings of the 19th ACM SIGPLAN Conference on Object-Oriented Programming, Systems, Languages and Applications (OOPSLA 2004), pp. 150-169, October 2004, Vancouver, Canada.
2. Bruno Dufour, Karel Driesen, Laurie Hendren and Clark Verbrugge, *Dynamic Metrics for Java*, Proceedings of the 18th ACM SIGPLAN Conference on Object-Oriented Programming, Systems, Languages and Applications (OOPSLA 2003), pp. 149-168, October 2003, Anaheim, USA.

3. Qin Wang, Wei Wang, Rhodes Brown, Karel Driesen, Bruno Dufour, Laurie Hendren and Clark Verbrugge, *EVolve: An Open Extensible Software Visualization Framework*, Proceedings of the ACM Symposium on Software Visualization (SoftVis 2003), pp. 37-46, June 2003, San Diego, USA.
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## OTHER PUBLICATIONS

1. Bruno Dufour, Christopher Goard, Laurie Hendren, Oege de Moor, Ganesh Sittampalam, and Clark Verbrugge, *Measuring the Dynamic Behaviour of AspectJ Programs*, Sable Technical Report 2004-2, March 2004. (Submitted to OOPSLA 2004)
  2. Bruno Dufour, Christopher Goard, Laurie Hendren and Clark Verbrugge, Oege de Moor, and Ganesh Sittampalam, *Measuring the Dynamic Behaviour of AspectJ Programs*, Sable Technical Report 2003-8, December 2003. (Submitted to ECOOP 2004)
  3. Bruno Dufour and Clark Verbrugge, *Dynamic Metrics in Action*, Dagstuhl Seminar 03491 "Understanding Program Dynamics", December 2003, Dagstuhl, Germany.
  4. Bruno Dufour, Laurie Hendren, and Clark Verbrugge, *Problems in Objectively Quantifying Benchmarks using Dynamic Metrics*, Workshop on Middleware Benchmarking: Approaches, Results, Experiences at OOPSLA'03, October 2003, Anaheim, USA.
  5. Bruno Dufour, Laurie Hendren, and Clark Verbrugge, *\*J: A Tool for Dynamic Analysis of Java Programs* (Poster), in Addendum to OOPSLA'03, October 2003, Anaheim, USA.
  6. Bruno Dufour, Karel Driesen, Laurie Hendren, and Clark Verbrugge, *Dynamic Metrics for Java*, Sable Technical Report 2003-1, March 2003. (Submitted to OOPSLA 2003)
  7. Qin Wang, Wei Wang, Rhodes Brown, Karel Driesen, Bruno Dufour, Laurie Hendren and Clark Verbrugge, *EVolve: An Open Extensible Software Visualization Framework*, Sable Technical Report 2002-12, December 2002. (Submitted to SoftVis 2003)
  8. Bruno Dufour, Karel Driesen, Laurie Hendren and Clark Verbrugge, *Dynamic Metrics for Compiler Developers*, Sable Technical Report 2002-11, November 2002. (Submitted to PLDI 2003)
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## PUBLICLY AVAILABLE SOFTWARE PACKAGES

1. \*J, a tool for dynamic analysis of Java Programs  
URL: <http://www.sable.mcgill.ca/starj/>

2. Ashes2, a language-agnostic benchmarking toolkit  
URL: <http://www.sable.mcgill.ca/~bdufou1/ashes2/>