

Christian A. Bird

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Education	<i>Ph.D. Graduate Student in Computer Science</i> University of California, Davis GPA: 4.0	2004 – Present
	<i>M.S. in Computer Science</i> University of California, Davis GPA: 4.0	2008
	<i>B.S. in Computer Science</i> Brigham Young University, Provo, UT GPA: 3.8	1996 – 1998 2000 – 2003
Interests	Open Source Software communities, social networks, empirical software engineering, communication & collaboration in software engineering, programming languages, domain specific languages, software tools	
Honors and Awards	National Merit Scholar (and scholarship) Dean's List 1996, 2001, 2002	Golden Key Honor Society
Publications	C. Bird, D. Pattison, R. D'Souza, V. Filkov, and P. Devanbu "Chapels in the Bazaar: Latent Structure in OSS," <i>ACM SIGSOFT Foundations of Software Engineering</i> , 2008	
	D. Pattison, C. Bird, and P. Devanbu, "Talk & Work: A preliminary report," <i>5th Annual Working Conference on Mining Software Repositories</i> , 2007	
	Z. Saul, V. Filkov, P. Devanbu, and C. Bird, "Recommending Random Walks" (nominated for Best Paper award), <i>ACM ESEC/SIGSOFT Foundations of Software Engineering</i> , 2007	
	C. Bird, A. Gourley, P. Devanbu, A. Swaminathan, and G. Hsu, "Open Borders? Immigration in Open Source Projects," <i>4th Annual Workshop on Mining Software Repositories</i> , 2007	
	C. Bird, A. Gourley, and P. Devanbu, "Detecting Patch Submission and Acceptance in OSS Projects," <i>4th Annual Workshop on Mining Software Repositories</i> , 2007	
	M. Ogawa, K-L. Ma, C. Bird, P. Devanbu, A. Gourley, "Visualizing Social Interaction in Open Source Software Projects", <i>Asia Pacific Symposium on Visualisation</i> , 2007	
	C. Bird, A. Gourley, P. Devanbu, M. Gertz, and A. Swaminathan, "Mining Email Social Networks," <i>3rd Annual Workshop on Mining Software Repositories</i> , 2006	
	C. Bird, A. Gourley, P. Devanbu, M. Gertz, and A. Swaminathan, "Mining Email Social Networks in Postgres," <i>3rd Annual Workshop on Mining Software Repositories Mining Challenge</i> , 2006	
Professional Activities	Program Committee, <i>5th Annual Working Conference on Mining Software Repositories</i> , Challenge Track, 2008	
Research and Work Experience	<i>Research Assistant</i> <i>Software Engineering</i> —	University of California, Davis Dr. Premkumar Devanbu Oct. 2005 – Present
	Designed and implemented data mining software for study of OSS projects. Statistically analyzed OSS project data in the fields of social networking, change analysis, longitudinal social effects, acceptance of work gifts, etc. Continued background research in the area of empirical software engineering	

Teaching Assistant
Programming Languages

University of California, Davis
Dr. Ronald Olsson, Dr. Raju Pandey
Sept. 2004 – June 2005

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Led discussion sections of senior level programming languages course for three quarters. Provided individual assistance to students during regularly scheduled office hours. Helped in the creation of homework assignments and exams. Evaluated students written work, programming projects, and exams.

Software Engineer
Embedded Software Tools Group

Motorola
Bruce Vernon
Sept. 2000 – Dec. 2005

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Helped design and develop command line and GUI tools for embedded linux developers using C, C++, python, and shell scripting. Aided in the creation of linux Board Support Packages for embedded hardware on a number of Motorola's hardware platforms. Maintained a collaborative intranet web system for the embedded linux group. Provided remote and on-site training to Motorola employees and third parties in the use of our tools.

Technical Support Engineer
Technical Support Department

Caldera Systems Inc.
Allen Smart
Aug. – Dec. 1997

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Learned advanced Linux operating system and programming concepts. Provided technical support to corporate customers for their use of Linux. Helped design an efficient technical support structure for a rapidly growing Linux technology company

Teaching Assistant
Advanced Data Structures

Brigham Young University
Dr. Theodore Norman
Aug. – Dec. 1997

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Helped students understand advanced data structure concepts in group and one on one settings. Evaluated course homework, lab projects, and exams.

Professional Organizations

Member of Association for Computing Machinery (ACM) and ACM SIGSOFT
Member of IEEE Computer Society

Volunteer Service

LDS Church Service Mission
Denver, Colorado
Jan. 1998 – Feb. 2000

References

Available upon request.