

## Michael Shopsin

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### EDUCATION

2001-2006 MS in Computer Science, Columbia University  
1995-1999 BA in Computer Science, University of Chicago

### EMPLOYMENT

1999-Present Programmer/Analyst, Columbia University  
Lead software engineer on EdGCM, an educational version of a global climate model (GCM). Responsibilities include: interface for EdGCM, integration of the various components, preparation of the software for public release, design of Fortran tools to convert GCM output into modern data formats, and web integration. Supervise three other programmers on the project and participate in the software design process. Liaison to customers: train students and teachers, collect feedback on the software, and track bugs.

1995-1999 Summer Programmer/Analyst, Columbia University  
Mac application programming, database administration, and interaction with Unix programmers. Wrote an application for converting images into data and doing mathematical projections of images. Created a prototype application for EdGCM.

### TECHNICAL SKILLS

Languages C, C++, Java, PHP, SQL, XML, Fortran, RealBasic, 4D, HTML, Pascal

APIs Carbon, Unix, Sockets, TCP/UDP, PowerPlant, Core Foundations

Tools Xcode, CodeWarrior, Trac, gcc, svn, cvs, xlf, Interface Builder, BBEdit, VISE X/Win, Resourcerer, Photoshop, Illustrator, X11, Filemaker, 4D

Systems Mac, Unix, Linux, Win 2000/XP

Member Apple Developer Connection, 4D Partner Program

### LEADERSHIP

2005-Present Coauthor on NASA Education grant for refining EdGCM interface for use in middle schools

2003-2005 Attended Apple's World Wide Developer Conference on scholarship

2004 Taught EdGCM workshop at DLESE, University of Wisconsin at Madison

2004 Taught EdGCM workshop, Columbia University

2004 TA for Dynamics of Climate, facilitated students' use of EdGCM

2002-2003 Presenter for Apple on Fortran programming, Columbia University

2001-Present Teach informal seminars for coworkers on MacOS X and Fortran

1996-1999 Leader of Reform Services at Hillel, University of Chicago