

ANDREW J. MONTALENTI

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Seeking challenging employment in a demanding and creative work environment that utilizes skills in software and/or web development. New York City metropolitan area preferred.

Core Competencies

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- **Software Engineering:** Strong understanding of object-oriented programming concepts, as well as low-level internals via C and assembler. Believer in good team collaboration methods: holding open forums for idea exchange; writing thoughtful specifications before code; and managing source code with concurrent versioning, documentation and bug tracking systems. Have developed software under most platforms—Linux, Windows, and Mac OS—with experience descending roughly in that order.
- **Web Development:** Emphasis on usable designs, and standards-compliant web programming. Developed a full web application from scratch as a single-man team, designing databases, forms, and functionality through regular meetings with client.
- **Operating Systems:** Learned operating systems fundamentals with Nachos (an instructional OS and machine simulator), and then implemented much of a real kernel by working with JOS, an academically-developed x86 “exokernel” written in C.
- **Communications:** Great love of written word, expressed through creative writing (short fiction, poetry, drama), technical writing (documentation, presentations, articles and tutorials), and essays on topics ranging from economics to philosophy.

Programming Skills

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Proficiency in: C, Java, Python, Perl, bash, HTML/CSS and MySQL.
Some knowledge of: C#, C++, JavaScript, PHP, \LaTeX , XML, x86 assembler, and VB.

Work Experience

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- Aug. 2006 - Present
IT Analyst Trainee, AppDevI Track
MORGAN STANLEY IT ANALYST TRAINING PROGRAM
Took courses in UNIX, Perl, Java, C#, XML, Sybase, database design, object oriented design, and software engineering methods, among others.
- Sept. 2005 - May 2006
Teaching Assistant and E-Tutor
PROFESSORS KORTH AND GRISHMAN, NEW YORK UNIVERSITY
Aided Professor Grishman with operating systems and assembly programming course by grading homework assignments and providing guidance to students via e-mail. Helped Professor Korth develop a new course, “Computers and Society,” offered in its first semester at NYU. Wrote homework assignments, developed course syllabus, suggested readings, and provided students with feedback on their writing on issues at the intersection of technology, law, and culture. Also gave one class lecture on economic and technological globalization.
- June 2004- Sept. 2005
Web Application Developer
UNEMPLOYMENT ACTION CENTER OF NEW YORK
Created MySQL database-driven Java web application using the Java Servlet API. Application automated many processes of non-profit law student organization, lightening the burden on the full-time employee dedicated to distributing and managing unemployment cases. Modified and integrated open source PHP code to add functionality. Also wrote maintainer’s guide and user documentation in \LaTeX . Contract was renewed to continue work through 2005.

- March 2002-
February 2004 **Computer Consultant and Web Designer**
THE BUTTLES CORPORATION/THE SOURCE OF EARNINGS REPORT
Plandome, NY / Remsenburg, NY
Company provides investment tips to portfolio managers based upon accounting and earnings information. Created full website and produced monthly printed reports that were sent to clients. Created marketing materials by doing historical analysis with Excel VBA macros and a small, custom-coded C# application.
- July 2001-
January 2002 **Web Designer**
HOFER PRECISION TOOL IMPORTS INTL., INC.
Newport Beach, CA
Implemented website for California-based precision tool imports company to replace old design. Established a new corporate identity (stationary, logos, etc.) and added various functional features, such as a searchable database for technical specifications. Expanded general information offering.
- March-
July 2001 **Author/Technical Editor**
FRIENDS OF ED/WROX PRESS, INC.
Olton, Birmingham, United Kingdom
Wrote four chapters (including an introductory chapter) for two books—Flash 5 Dynamic Content Studio and Flash 5 Actionscript Studio. Edited about 70-80% of material in each book. Dynamic Content Studio was a major success in terms of Flash publications, being the first book focused on tying Flash to back-ends.

 References furnished upon request.

Education and Honors

New York University - New York, NY - Class of 2006 - Magna Cum Laude, GPA: 3.81/4.0

- B.A. in Computer Science with Departmental Honors, minor in Philosophy.
- 2006 Computer Science Prize for Academic Excellence and Service to the Department.
- Member of Presidential Scholars, NYU Honors Scholars, and Phi Beta Kappa.
- Essay entitled "Questioning the Canon" published in faculty-reviewed Expository Writing magazine, Mercer Street.
- Three semesters of Italian language at NYU, and six weeks of intensive study at L'Università per Stranieri di Perugia, Italy (March, 2005). Almost fluent.
- Treasurer of CANYU, the computer/technology group on campus. Frequent speaker, with seven talks covering topics ranging from operating systems to legal issues.
- Founder of Free Coders at NYU, an open source team development group.
- Selected as member of Team NYU for the 2004 CS Games at McGill University.
- Completed and passed exam 101 of Linux Professional Institute (LPI) certification.

Paul D. Schreiber HS - Port Washington, NY - Class of 2002 - Final GPA: 3.7/4.0

- Editor-in-Chief of award-winning high school newspaper, The Schreiber Times.
- Winner of the National Council of Teachers of English (NCTE) Writing Achievement Award. One of six hundred students nationwide.
- Selected by the Schreiber English department and Dartmouth College as winner of The Dartmouth Club Book Award "for excellence in writing and student body leadership."
- Play entitled Difference of Object selected for annual Young Playwright's Festival.