

David Dakota Blair

CONTACT INFORMATION	1575 Lexington Ave Apt 33 New York, NY 10029	<i>Voice:</i> (903) 235-3248 <i>E-mail:</i> dakota@tensen.net <i>WWW:</i> tensen.net
RESEARCH INTERESTS	Number theory, additive combinatorics, transcendental numbers, model theory	
EDUCATION	The CUNY Graduate Center , New York, NY Ph.D. (in progress), Mathematics Texas A&M University , College Station, TX M.S., Mathematics, May 2007 <ul style="list-style-type: none">• Advisor: Professor Sue Geller B.S., Mathematics, December 2006 <ul style="list-style-type: none">• <i>Cum Laude</i>, with Honors in Mathematics	
AWARDS	Texas A&M University <ul style="list-style-type: none">• Lechner Scholarship, 2003 Texas Interscholastic League Foundation Scholarship <ul style="list-style-type: none">• Nelda C. & H.J. Lutcher Stark Foundation, 2003	
ACADEMIC EXPERIENCE	Texas A&M University , College Station, TX <i>Graduate Student</i> Spring 2007 <i>Honors Help Session Instructor</i> Fall 2006 <ul style="list-style-type: none">• Aided students with homework and lab assignments for Differential Equations. University of North Carolina, Greensboro , Greensboro, NC <i>Undergraduate Researcher</i> Summer 2005 <ul style="list-style-type: none">• Participated in <i>Algorithmic Combinatorics on Words</i>, an REU.• Extended fundamental results on monoids to partial words.• Presented work at MFCS 2006 in Stará Lesná, Slovakia.	
PUBLICATIONS	F. Blanchet-Sadri, D. Dakota Blair, Rebeca V. Lewis. Equations on Partial Words. <i>RAIRO-Theor. Inf. Appl.</i> 43, 23-39 (2009)	
PROFESSIONAL EXPERIENCE	Borough of Manhattan Community College , New York, NY <i>Adjunct</i> August 2009 to Present <ul style="list-style-type: none">• Taught Statistics, Introduction to Mathematics and remedial mathematics courses.	

New York Magazine, New York, NY

Junior Software Engineer

August 2007 to August 2009

- Maintain Omniture Analytics implementation.
- Facilitate data transformation between legacy and new systems.
- Maintain various technical documentation.

Complete Printing and Publishing, Carthage, TX

Programmer

April 2002 to August 2006

- Implemented online user interfaces for company data for employees, customers.
- Developed products that replaced initial paperwork for orders and decreased turn around time for orders from repeat customers.

SERVICE

President of Texas A&M chapter of Pi Mu Epsilon, [Texas A&M University](#), 2006

- Organized and arranged meetings.
- Coordinated efforts for student outreach programs.
- Redesigned website to conform to web standards and enhance maintainability.

Academic UIL Instructor, [Cypress Grove Intermediate School](#), 2006

- Introduced middle school students to mathematics by preparing for UIL math events including Number Sense, Calculator Applications and the general mathematics test.

[Mitchell Symposium on Observational Cosmology](#), 2004

- Undergraduate Student Member of Organizing Committee

[SEE Math Texas A&M University](#), 2004

- Introduced middle school students to cryptography, graph theory, formal logic and computer programming.

OTHER SKILLS

Extensive hardware and software experience in networking and information technology.

[MATLAB](#) experience: linear algebra, nonlinear numerical methods, polynomials, statistics, visualization.

Computational Mathematics frameworks experience: [MAGMA](#), [PARI](#), [SAGE](#)

Proficient Languages: Python, Perl, PHP, JavaScript, XSL, XHTML, UNIX shell scripting, SQL, SVN, [L^AT_EX](#)

Also experienced with: Fortran, C, C++, PostScript, Mathematica, Maple, CSS, gnuplot