

Stela Anguelova

CONTACT INFORMATION

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OBJECTIVE

Pursue a mathematics teacher position at the high school or middle school level.

EDUCATION

M.A.T., Ithaca College, Ithaca, NY (06/2007-08/08/2008) GPA: 3.59 / 4.00

- Content: Mathematics Education
- Action Research: *"Techniques for Developing Mathematical Understanding"*

Graduate Courses in Mathematics, University of North Carolina at Chapel Hill, NC (08/2003-05/2006)

- Completed 43 graduate hours (significant courses in Pure and Applied Mathematics, and Mathematics Education)

MASS (Mathematics Advanced Study Semesters), Pennsylvania State University, University Park, PA (08/2001-12/2001)

GPA: 3.75 / 4.00

- Honors Geometry and Relativity Research: *"Geodesics: The Newtonian Limit"*
- Honors Algebra The Theory of Partitions Research: *"Generalized Ferrers Graphs"*
- Honors Analysis of Fluid Flow Research: *"New form of the Continuity Equation in the Framework of Relativistic Fluid Dynamics"*

B.A. with Honor, Agnes Scott College, Decatur, GA (08/1998-05/2002) GPA: 3.46 / 4.00

- Major: Mathematics; Minor: Business Economics
- Thesis: *"A Study of Differential Geometry and Topology: Proof of the Gauss-Bonnet Theorem for Surfaces in R^3 "*
- Mathematics Department Annual award 2000, 2001, Mathematical Contest in Modeling Participant 2001, Annual MAA Meetings Participant, Academic Honor List 1998, Dean's Honor list 1999-2002

Sofia High School of Mathematics, Sofia, Bulgaria (09/1993-05/1998) GPA: 6.00 / 6.00

- Competed as one out of three members of the school's Computer Programming Team
 - Four years of Professional Training as Operator-Programmer, Certificate 1998
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TEACHING EXPERIENCE

Student Teacher (3/2008-5/2008), Union Springs Middle School, Union Springs, NY

- Taught Math 7 and Math 8 (developed and implemented units on linear and quadratic functions and on the Pythagorean theorem)

Student Teacher (01/2008-03/2008), Ithaca High School, Ithaca, NY

- Taught Algebra 2 and Honors Geometry (designed and implemented units on logarithms, the trigonometric laws, quadrilaterals and explorations in non-Euclidean geometry)

Graduate Assistant (06/2007-12/2007), Education Department, Ithaca College

- Collaborated with the faculty member responsible for the early field experience course
 - Supervised and assisted undergraduate education majors during their student teaching
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**TEACHING
EXPERIENCE**
(Continued)

Advancement Via Individual Determination (AVID) Tutor (01/2007–12/2007), Ithaca High School, Ithaca, NY

- Completed AVID training and conducted tutorials with ninth grade students in mathematics as well as in other disciplines

Teaching Fellow (08/2004-05/2006) - Mathematics Department, UNC Chapel Hill

- Full responsibility for teaching undergraduate mathematics courses - taught four semesters of Pre-Calculus and Calculus

(Designed personalized lesson plans, instructed, held office hours and review sessions, monitored individual students' performance and undergraduate assistant grader's work, designed tests and assessed students' performance)

- Received positive evaluations from students, UNC Math Faculty and Education Professionals who observed my classes each semester
- Served as a Math Help Center supervisor
(Delegated tutoring duties, provided assistance to undergraduate tutors in the process)
- Helped prepare the Fall 2005 common final for all sections of Business Calculus at UNC and graded the graduate Differential Geometry course

Teaching Assistant (08/2003-07/2005) - Mathematics Department, UNC Chapel Hill

- Completed a full semester teaching seminar course to become a more effective instructor in the typical diverse UNC undergraduate student classroom
- Conducted tutorials in the Math Help Center
- Assisted faculty with grading assignments and held weekly office hours

Learning Assistant (08/1999-05/2002) - Mathematics Department, Agnes Scott College, Decatur GA

- Helped professors with the correction of course assignments and tests
- Provided students with assistance for better achievement in the 100 level courses
- Helped students prepare their homework assignments and projects

**WORK
EXPERIENCE**

Information Technology Assistant (05/1999-05/2002) - Information Technology Services, Agnes Scott College, Decatur, GA

- Diagnosed and carried out the Help Desk duties, provided direct telephone assistance to callers
- Helped Design the ITS DataTel and German Department Websites
- Upgraded campus machines, applied new patches and answered user questions
- Set up several new computer labs on campus and provided computer lab assistance

Student Assistant (08/1998-06/1999): President's Office, Agnes Scott College, Decatur GA

- Fulfilled educational projects such as student, faculty and alumnae surveys and performed office research
 - Assisted in organizing the Board of Trustees meetings and hosted school events
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ACTIVITIES
(Related to
teaching)

- **Math Curriculum Geometry Project** (2005 – present) (independent endeavor)
- **Math Curriculum Algebra Project** (2005 – present) (independent endeavor)
- **Student Guest Teacher**, Frederick Douglass Academy, New York, NY (October 16-19th, 2007)
- **Lunchtime Activities Program Volunteer**, Boynton Middle School, Ithaca, NY (Fall 2007)
- **Library Volunteer**, Northeast Elementary School, Ithaca, NY (Fall 2007)
- **Math Help Center Supervisor**, The University of North Carolina at Chapel Hill (2004 - 2006)
- **Math Help Center Tutor**, The University of North Carolina at Chapel Hill (2003 - 2005)
- **Private Mathematics Coach at the Elementary, Middle and High School Level**, (2000 – present)
- **Teaching Instructor**, Rakovsky Martial Arts Club, Sofia Bulgaria (1992-1998)

MEMBERSHIPS

- National Council for Teachers of Mathematics (NCTM)
- American Mathematical Society (AMS)
- Society for Industrial and Applied Mathematics (SIAM)

SKILLS

Computer Skills

Matlab, Mathematica, Maple, WinPlot
Geometer's Sketchpad
S-Plus, R, STATA
C++, Turbo Pascal, Q-Basic
Microsoft Office, Photo Shop Pro, ACAD

Language Skills

Tri-Lingual: Bulgarian (native), Russian and English
German (completed intermediate college level and literature).

**CERTIFICATES
& AWARDS**

Initial Certificate (Mathematics 7-12) 09/01/2008 (expires 08/31/2013)

Passed the New York State Teacher Certification Examinations

LAST & CST (Mathematics) 12/9/2006

ATS-W (Secondary) 12/15/2007

- Offered the G. W. Woodruff Fellowship
- Selected as one of 10 advanced undergraduate students to participate in MASS 2001
- Mathematics Department Annual Award, Agnes Scott College 2000, 2001
- Student-Athlete Academic Honors List Award, Agnes Scott College, 2000, 2001
- 6th place in the National Mathematics and Computer Science Competition, 1997
- 3rd level (out of 4) in National Mathematical Olympiads 1993-1998

TEACHING PORTFOLIO AND REFERENCES AVAILABLE UPON REQUEST