

Veselin Kostov

EDUCATION

Columbia University, Department of Earth and Environmental Sciences
Master of Philosophy in Earth and Environmental Sciences, GPA 3.49/4.0

New York, NY
May 2007

University of Oklahoma, Department of Physics and Astronomy
Master of Science in Physics and Astronomy, GPA 3.69/4.0
Honors: Graduate Foundation Fellow, University of Oklahoma
2005

Norman, OK
Aug 2005
Aug 2002-Aug

University of Sofia, Bulgaria
Bachelor of Science in Physics, GPA 3.59/4.0

Sofia, Bulgaria
Aug 2002

EXPERIENCE

Lamont-Doherty Earth Observatory, Columbia University

Research Assistant

Palisades, NY
June 2006-May 2007

- Collected, compiled and interpreted online seismological data
- Developed and used original, user-friendly codes
- Generated an extensive database of simulations of 3-dimensional seismic travel times
- Worked in a team, under the supervision of faculty
- Prepared and presented materials at scheduled group meetings, represented principal advisor when not present

Department of Physics and Astronomy, University of Oklahoma

Research Assistant

Norman, OK
Jan 2005-Aug 2005

- Researched and analyzed astrophysical publications, derived the underlying mathematics; incorporated the results in a code
- Computed and maintained a comprehensive set of stellar atmospheric density distribution profiles
- Introduced and distributed the produced data to out-of-state members of the team
- Assisted in the training of undergraduate students to develop specific software-related skills; scheduled weekly meetings to discuss and evaluate their progress

TECHNICAL SKILLS

Applications: MATLAB7.0, MS Office (Word, Excel, Access, PowerPoint), WordPerfect, Adobe PhotoShop 5.0

Programming Languages: Fortran, IDL, IRAF, shell script

Operating Systems: UNIX, LINUX, Msdos, Windows 95/98/NT/2000/XP

TEACHING EXPERIENCE

Department of Earth and Environmental Sciences, Columbia University

Teaching Assistant

New York, NY
Jan 2007 – May 2007

- Held weekly office hours, led discussion sections
- Graded all homework and exams

Department of Physics and Astronomy, University of Oklahoma

Teaching Assistant

Norman, OK
Sep 2002-Aug 2005

- Assisted professor in preparing assignments, graded homework, supervised and graded examinations

PUBLICATIONS

Yun Wang, **Veselin Kostov**, Katherine Freese, Joshua A. Frieman, Paolo Gondolo. *Probing the Evolution of the Dark Energy Density with Future Supernova Surveys*, Journal of Cosmology and Astroparticle Physics, 0412 (2004) 003

ACTIVITIES

Co-captain, Lamont-Doherty Earth Observatory Intramural Soccer team, **Columbia University**

Member, **Astronomical Association**, Sofia, Bulgaria

Member, **National Geographic**

Member, **The Planetary Society**

Member, **Bulgarian Wall Street Club**, New York

Aug 2005 – present
July 1996 – present
Jan 2002 – Jan 2004
Sep 2002 – Mar 2004
Oct 2006 – present

LANGUAGE SKILLS

Fluent in Bulgarian; Proficient in Russian