

Derick J. Bishop

Address: **Department of Mathematics
University of Arizona
617 N. Santa Rita Ave.
P.O. Box 210089
Tucson AZ 85721-0089**

Telephone: **(520) 628-0934**

Email: **djbishop@math.arizona.edu**

Education

- 2012-Present PhD Student, GIDP in Statistics & Data Science
University of Arizona
- 2010-2012 Graduate Non-Degree Seeking Student
University of Arizona
- 2002-2006 Bachelor of Arts in Mathematics, *Summa Cum Laude*, with Honors
University of Arizona
- 2000-2002 Piano Performance Major
University of Arizona

Work Experience

- 2008-2009 VISTA (Leader) Program: VISTA Leader for the “VISTA: Transforming Southern Arizona” project with the Volunteer Center of Southern Arizona
- Coordination of the 30+ VISTA members working with nonprofit organizations throughout Pima County and Pinal County
 - Logistical support for the VISTA members’ Pre-Service Orientation (PSO) conferences
 - Recruitment of college graduates and technical personnel essential to the VISTA Program
 - Fundraising for VCSA, encompassing the research, creation, and submission of grant proposals
- 2007-2008 VISTA Program: Task Force Liaison with the Medical Reserve Corps of Southern Arizona (MRCSA); Disaster Preparedness and Response Planner (for volunteer resources) with the Pima County Health Department (PCHD)
- Development of the MRCSA’s 5-Year Strategic Plan, including specific preparedness benchmarks
 - Mobilization of nursing volunteers for the temporary inoculation clinics created in response to the measles outbreak in early 2008
 - Facilitation of meetings for the Southern Arizona Voluntary Organizations Active in Disasters (SoAzVOAD)
 - Credentialing of medical personnel interested in providing surge capacity to PCHD in the event of a major disaster
 - Creation and distribution of MRCSA’s monthly newsletter
 - Coordination of the MRCSA Mental Health Task Force’s meetings, training, and drills
- 2006-2007 AmeriCorps Program: AmeriCorps Member with Arts for All, Inc.
- Comprehensive curriculum development across diverse subjects, including Spanish, social studies, and music history
 - Assistant instructor in Spanish
 - Accompanist to Arts for All’s *Youth Ensemble: Vocal Performance*
 - Delineation of individualized social skills plans for each participant, in conjunction with the adult services coordinator
 - Direct participant assistance and care as needed

Academic Papers

2006 “The Construction of \mathbb{Q}_p and the p-adic Interpolation of the Power Function $f(x) = a^x$ ”
(Honors Thesis)

Awards and Distinctions

2019 Graduate Tuition Scholarship, University of Arizona
2014 Graduate Research Assistantship (RA) in Mathematics
2013 Graduate Tuition Scholarship, University of Arizona
2012 Graduate College Fellowship, University of Arizona
2009 The President’s Volunteer Service Award, presented by the President’s Council on Service and Civic Participation
2007, 2008 Segal AmeriCorps Education Award
2007 AmeriCorps Certificate of National Service
2006 Graduation with Honors, University of Arizona
2003 Phi Beta Kappa, Fall Inductee, Phi Beta Kappa Association of Greater Tucson
2003 First Level Honors, University of Arizona
2000-2006 Honors Student, University of Arizona

Spoken Languages

English: Fluent

Spanish: Intermediate

Japanese: Very Basic (approximately JLPT: N5)

Software Applications and Programming Languages

Microsoft Office (Outlook, Word, Excel, PowerPoint): Intermediate

Mathematica: Intermediate

MiKTeX: Intermediate

R: Advanced

SAS: Intermediate

Python: Intermediate

Stata: Very Basic

C++: Very Basic

Java: Very Basic

Leisure and Interests

Probability Theory and Stochastic Analysis

Actuarial Science

Psephology