

steve werner

computer scientist

contact

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languages

Native English
Elementary Spanish

programming

♥ Java & MatLab
C, Python, Visual Basic
Javascript, PHP, HTML
VXML, Objective C
Bash, Autoit & LaTeX

operating systems

Linux, Mac & Windows

editors

eclipse, vi & emacs

education

- 2013 **Bachelors** of Science in Computer Science University of Texas at El Paso
Major GPA 3.7, Overall GPA: 3.3
- Selected for The National Science Foundation's Research Experience for Undergraduates Program at UTEP
- 2011 Study Abroad King Mongkut's University of Technology at Thonburi, Bangkok
Signals & Systems, Digital Circuits Engineering & C Programming
- 2008 **Associate** of Mathematics El Paso Community College, Texas
Overall GPA: 3.5

experience

- 2012–2014 **Interactive Systems Group** University of Texas at El Paso
Undergraduate Research Assistant
Researched the utility of prosody in spoken information retrieval.
- Developed a basic audio search application.
 - Improved on initial similarity model.
 - Tested a hybrid model using lexical and prosodic information.

publications

- 1st Author **Evaluating Prosody-Based Similarity Models for Information Retrieval** MediaEval 2013
Steven D. Werner, Nigel G. Ward.
- 2nd Author **A Prosody-Based Vector-Space Model of Dialog Activity for Information Retrieval**
Speech Communication (submitted)
Nigel G. Ward, Steven D. Werner, Fernando Garcia, Emilio Sanchis.
- The Similar Segments in Social Speech Task** MediaEval 2013
Nigel G. Ward, Steven D. Werner, David G. Novick, Elizabeth E. Shriberg, Catharine Oertel, Louis-Philippe Morency, Tatsuya Kawahara.
- Using Dialog-Activity Similarity for Spoken Utterance Retrieval** InterSpeech 2013
Nigel G. Ward, Steven D. Werner. 1569-1573

communication skills

- 2013 **Oral Presentation** MediaEval 2013 Workshop, Barcelona, Spain
Presented improvements in our similarity model from technology-centric experiments showing quantifiable utility of prosody in audio search.
- 2013 **Oral Presentation** InterSpeech 2013 Conference, Lyon, France
Presented the initial findings from user-centric experiments showing utility of prosody in audio search.
- 2012 **Poster** UTEP Couri Symposium, El Paso, Texas
As part of The National Science Foundation's Research Experience for Undergraduates Program, I presented my initial work on prosody in spoken audio retrieval.

other experience

- 2010–2011 **KBR, Al Asad Air Base** Al Asad, An Abar Province, Iraq
Aviation Fuels Account
Responsible for maintaining accountability records of all KBR's fuel on airfield.
(Capacity of 795,000 Gallons of JP-8)
KBR Star Award: Increased efficiency & accuracy the Fuels Accounting Office.
• Within 2 months of assignment developed automated forms and reports through extensive MS Word/Excel/Outlook automation.
KBR Appreciation Awardx3: Perfect fuel accounting audit scores
• 3 consecutive quarters.
- 2008–2010 **Mesilla Valley Transportation** El Paso, Texas
Over The Road Driver
Approx. 250,000 miles driven.
No accidents, no incidents, virtually no supervision.
Drivers Education: Commercial Drivers License: Tanker, Doubles/Triples
• Mesilla Valley Transportation Institute 2008 El Paso, Texas
– **Highest GPA of class**
- 2005–2006 **CAI Tutoring Lab, El Paso Community College** El Paso, Texas
Certified All Level Math/Physics Tutor
Unstructured setting: one on one, few on one & large groups.
- 2003–2009 **900th Quartermaster Company, United States Army Reserves** El Paso, Texas
Petroleum Supply Specialist E-4
STATUS: Honorably Discharged
• **Battalion Soldier of the Year 2006**
• **Army Achievement Medal**x4
Served as units acting Communications Sergeant
• Maintained SINCGARS other military communications equipment.
Military Education:
• 2008 Ft. Knox, KY: Hazmat "H7" Petroleum Vehicle Operator
– Qualified in the operation and operator maintenance of petroleum tank vehicles
• 2008 Ft. Irwin, CA: U.S. Army Certified Combat Lifesaver
– Trained in Casualty First Aid, including administering an IV
• 2004 Ft. Lee, VA: AIT MOS 77F/92F Distinguished Honor Graduate
– **Highest GPA of class**

volunteer experience

- 2002–2004 **Horizon City Fire Department** Horizon City, Texas
Volunteer Fire Fighter
Training:
• Fire Hose, 'Jaws of Life', Blind Structure, Underground Tunnel, Limited Oxygen Rescue

interests

professional: quantum computing, artificial intelligence, big data representation, iOS development, information retrieval, software development, neuroscience **personal:** traveling, camping, hiking, tutoring, dirtbiking