

# Dr Arshavir Blackwell

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## Summary

Artificial Intelligence/machine learning researcher with expertise in automated natural language processing. Extensive experience in designing adaptive, language-using applications and in directing research projects that study how humans and automated systems learn and use language.

## Tags

Artificial Intelligence, machine learning, computational linguistics, knowledge management, cognitive computing, natural language processing, data & text mining, text analytics, Hadoop, neural networks, unstructured information management

## Experience

|   |                       |
|---|-----------------------|
| <b>Senior Scientist</b><br><i>CitizenNet, Los Angeles, CA</i>                             | <b>2010 - present</b> |
| <b>Senior Research Scientist</b><br><i>Fox Interactive Media, Santa Monica, CA</i>        | <b>2008 - 2010</b>    |
| <b>Principal Computer Scientist</b><br><i>MetaLINC, San Jose, CA</i>                      | <b>2007</b>           |
| <b>Senior Scientist/Director of Research</b><br><i>H5 Technologies, San Francisco, CA</i> | <b>2005 - 2007</b>    |
| <b>Senior Engineer &amp; Project Lead</b><br><i>Entrieva, Reston, VA</i>                  | <b>2003 - 2005</b>    |
| <b>Principal</b><br><i>Adaptive Lava, Oakland, CA</i>                                     | <b>2001-2003</b>      |
| <b>Principal Scientist</b><br><i>Comprecorp, Nevada City, CA</i>                          | <b>2001</b>           |
| <b>Senior Engineer</b><br><i>Ask Jeeves, Oakland, CA</i>                                  | <b>1999-2000</b>      |

## Education

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|--|-------------|
| <b>PhD, Cognitive Science &amp; Psychology</b><br><i>University of California at San Diego, La Jolla, CA</i>   | <b>1995</b> |
| <b>A.B., Honors Cognitive Science &amp; Honors Creative Writing</b><br><i>Brown University, Providence, RI</i> | <b>1987</b> |

## **Skills, research interests, & publications**

### **Languages**

Java (10+ years), C (10+ years), C++ (10+ years), SAS (10+ years), Hadoop (1 year), Python (1 year)

### **Experiment-related skills**

Extensive experience with all aspects of experimental psychology research such as: background literature search, hypothesis development, design of experimental control system, experimental protocols and appropriate statistical analyses (including relevant computer applications).

### **Research interests**

Language processing and language acquisition in humans and connectionist networks, large scale cognitive systems, connectionist models of second language acquisition and lexical acquisition/processing, effects of working memory and other aspects of the general cognitive system on language.

### **Publications**

Blackwell, A., Bates, E., & Fisher, D. (1996). The time course of grammaticality judgment. *Language and Cognitive Processes*, 11(4), 337-406.

Blackwell, A.W. & Bates, E. (1995). Inducing agrammatic profiles in normals: Evidence for the selective vulnerability of morphology under cognitive resource limitation. *Journal of Cognitive Neuroscience*, 7, 228-257.

Warren, W.H., Blackwell, A.W., Kurtz, K.J., Hatsopoulos, N.G., & others (1991). On the sufficiency of the velocity field for perception of heading. *Biological Cybernetics*, 65, 311-320.

Warren, W.H., Mestre, D.R., Blackwell, A.W., & Morris, M.W. (1991). Perception of circular heading from optical flow. *Journal of Experimental Psychology: Human Perception and Performance*, 17, 28-43.

Warren, W.H., Blackwell, A.W., & Morris, M.W. (1989). Age differences in perceiving the direction of self-motion from optical flow. *Journal of Gerontology*, 44, 147-153.