

# Bayazit Karaman, PhD

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Conway, AR

## EDUCATION

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### University of Arkansas at Little Rock School of EIT, PhD May 2018

Little Rock, AR

- Doctor of Philosophy in Information and Computer Science (Computer Science) (GPA: 4.0)

### University of Arkansas at Little Rock School of EIT, MS May 2015

Little Rock, AR

- Master of Computer Science (GPA: 4.0)

### Istanbul Kultur University Faculty of Engineering June 2012

Istanbul, Turkey

- Bachelor of Computer Engineering (GPA: 3.15)

## EXPERIENCE

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### Visiting Assistant Professor of Computer Science July 2018 – Present

*Hendrix College*

Conway, AR

- Fall 2018: CSCI 230 Computing Systems Organization
- Fall 2018: CSCI 151 Data Structures with Lab
- Fall 2018: CSCI 410 Senior Seminar
- Spring 2019: CSCI 370 Interactive Game Development
- Spring 2019: CSCI 285 Scientific Computing
- Spring 2019: CSCI 150 Foundations of Computer Science Lab

### Instructor August 2017 – May 2018

*University of Arkansas at Little Rock*

Little Rock, AR

- Spring 2018: CPSC 1370 Computer Literacy
- Fall 2017: CPSC 1370 Computer Literacy

### Teaching Assistant January 2014 – December 2017

*University of Arkansas at Little Rock*

Little Rock, AR

- Fall 2017: CPSC 3482 Computer Organization
- Spring 2016: CPSC 3383 Language Structure
- Fall 2016: CPSC 3482 Computer Organization
- Spring 2015: CPSC 4392 Capstone Project
- Fall 2015: CPSC 3482 Computer Organization
- Spring 2015: CPSC 2382 Comp Sys & Assembly Language
- Fall 2014: CPSC 2382 Comp Sys & Assembly Language

### Graduate Assistant August 2014 – May 2017

*University of Arkansas at Little Rock*

Little Rock, AR

- Analyze the sensitive data (HR, Students) for College of Social Sciences and Communication
- Assist Information Technology Specialist in providing IT support for classrooms, computer labs and offices across the College of Social Sciences and Communication
- Software installation and administration
- Database and Website management
- Developing and Maintaining mobile applications of CSSC Department

## Teaching Assistant

September 2012 – August 2013

*Istanbul Kultur University*

Istanbul, Turkey

- CSE 501 Visual Programming
- CSE 2002 Programming II
- CSE 4124 Programming Language Concepts

## PUBLICATIONS

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### Journals

*Published*

- **B. Karaman**, R. M. Demirer, C. Bayrak, M. M. Su, “Modeling the Antipodal Connectivity Structure of Neural Communities”, AIMS Neuroscience. vol. 3, no. 2, pp. 163-180, 2016.
- N. Arica, A. Celik, **B. Karaman**, C. Bayrak, and O. Kececi, “Video Enhanced RFID Tracking System”, International Journal of Applied Mathematics, Electronics and Computers, vol. 3, no. 4, pp. 226-231, 2015.

*Under Review*

- Classification of Obsessive Compulsive Disorder by Fractal Dimension Complexity of EEG (First author)
- Antipodal Connectivity Structure in Neural Activities based on Riemann Sphere (First author)
- The Role of Antipodal Hub Nodes on Cognitive Functions (First author)
- NAMS: An Environment for Visualization of Hidden Structures in Neural Activities (First author)

*In Progress*

- Antipodal Connectivity of Myometrium Activities (First author)
- The Role of Antipodal Entropy for a Brain Disorder (OCD) (First author)

### Conferences

*Published*

- Mohammad Ali, Caitlin Scott, **Bayazit Karaman**, “The Clustering of Active and Inactive GPCRs using PCA”, Arkansas INBRE, 2018. (Abstract)
- **B. Karaman**, O. Kececi, A. Celik, C. Bayrak, N. Arica, “Video Enhanced RFID Tracking System (VETS)”, International Conference on Advanced Technologies & Sciences (ICAT), 2015. (Podium Presentation, Proceedings)

*In Progress*

- Visualization of Myometrium Activities (First author)

## SUPERVISING

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- Undergraduate Thesis – Mohammad Ali, “The Clustering of Active and Inactive GPCRs using Principle Component Analysis”, Hendrix College, 2018-2019.

## HONORS

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- 2017 Outstanding PhD Publication Award – University of Arkansas at Little Rock
- First Place Winner at Student Research and Creative Works Expo 2015 – University of Arkansas at Little Rock
- 2015 Graduate School Travel Award – University of Arkansas at Little Rock

## SERVICES

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- Participation in Computer Science Curriculum Development – Hendrix College, 2018-2019
- **Reviewer:** Cognitive Neurodynamics – Springer, 2018
- UALR Online Graduate Student Admission System – University of Arkansas at Little Rock, 2016

## CERTIFICATIONS

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- UALR Student Research and Creative Works Expo 2016, 2015
- Has been elected in recognition of merit and accomplishment as a student at UALR 2016 (Who's Who Among Students in American Universities and Colleges)
- 4<sup>th</sup> International Symposium on Digital Forensics and Security ISDFS 2016, Little Rock, AR (Service Contribution)
- Central Arkansas Regional Science & Engineering Fair (February 28, 2014)