Ameen Eetemadi

Title: Ph.D. Candidate
Research Area: Applied Machine Learning
Citizenship: U.S. Citizen
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Department of Computer Science and
UC Davis Genome Center,
Kemper Hall 2063,
University of California, Davis

Education

- **University of California**, Davis, CA (2014 - now)
  Ph.D. Candidate in Computer Science (Machine Learning)
  Advisor: Prof. Ilias Tagkopoulos
- **Wayne State University**, Detroit MI (graduated 2012)
  M.Sc in Computer Science (Data Mining)
  Advisor: Prof. Farshad Fotouhi
- **Sharif University of Technology**, Tehran, Iran (graduated 2005)
  B.Sc in Computer Engineering (Software)

Work experience

- **University of California**, Davis, CA (2014 - now)
  Graduate Research Assistant, Department of Computer Science and Genome Center
- **Microsoft**, Redmond, WA (2008 - 2014)
  Software Development Engineer, Microsoft Office Team
- **Microsoft**, Redmond, WA (Summer 2006)
  Software Development Engineer Intern, Microsoft Research
- **Henry Ford Health Systems**, Detroit, MI (2005 - 2008)
  Graduate Research Assistant, Health Informatics

Teaching experience

- **University of California**, Davis, CA (Fall 2014)
  Lead Teaching Assistant: ECS 171 - Machine Learning
  Graded homeworks and exams; led the discussion section for around 100 students

Skills

- **Programming Languages**
  MATLAB, C++, C#, SQL, HTML, Java, JavaScript, Perl, ASP.net, PHP, Ruby, R
- **Software Technologies**
  TCP/IP, RESTful web services, Parallel Programming, DNA/RNA Sequence Analysis
- **Database Systems**
  Oracle(+PL/SQL), MSSQL, PostgreSQL

Current Projects

- **Deep learning architectures for multi-omics data**
  Investigation of machine learning techniques for predictive modeling. Part of a team to develop a data-driven, genome-scale model of the bacterium *Escherichia coli*.
- **Biomarker discovery using genome-level analysis of patients after ischemic episode**
  Analysis of transcriptional profiling data (RNA-Seq) from patients with an ischemic episode. Identification of distinct patient groups, prediction of optimal treatment and outcome.

Selected Publications

- **Ameen, Eetemadi**, Mohammad-Reza Siadat, Hamid Soltanian-Zadeh, Farshad Fotouhi, and Kost Elisevich. "Content-Based Support Environment (C-BASE): Data Preparation and Similarity Measurement.", Proceedings of the Seventh IEEE International Conference on Data Mining (ICDM'07), pp. 145-150, Omaha, NE, USA, October 28-31, 2007.
- Siadat, Mohammad-Reza, Hamid Soltanian-Zadeh, Farshad Fotouhi, and **Ameen Eetemadi**. "Data modeling for content-based support environment (C-BASE): Application on epilepsy data mining."Proceedings of the Seventh IEEE International Conference on Data Mining (ICDM'07), pp. 181-188, Omaha, NE, USA, October 28-31, 2007.