

## VOLKAN VURAL

### WORK EXPERIENCE

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- San Diego Super Computer Center, University of California, San Diego, CA** **Oct '16 - Present**  
*Computational Data Science Researcher*
- Developing Machine Learning Solutions for various projects.
  - Prototyping classification and regression algorithms in R and python.
- University of California, San Diego, CA** **Jan '14 – Present**  
*Adjunct Professor, Jacobs School of Engineering*
- Machine Learning: Generative Models, Discriminative Models, Clustering, Informative Projections, Deep Learning.
- Boston College, Boston, MA** **Jan '14 – Present**  
*Adjunct Professor, Carroll School of Management*
- Machine Learning for Business Intelligence: Targeted Marketing, Predicting Churn, Propensity, Customer Segmentation.
  - Economic & Financial Forecasting: ARIMA Models, Regression, Exponential Smoothing, Trend, Seasonality.
- Eze Software Group (Investment Technologies), Boston, MA** **Sep '08 – Aug '14**  
*Sr. Developer*
- Led a team of six that produced system performance estimation reports for Hedge Funds/Asset Management Companies.
  - Developed, implemented and maintained various algorithms and applications in .NET, Matlab, SQL and Splunk.
- Northeastern University, Boston, MA** **Jan '03 – Aug '08**  
*Research Assistant, Electrical and Computer Engineering Department*
- First-authored papers that are published in ICML, JMLR, ECML, IJCAI, Optimization Methods and Software Journal.
- Siemens Medical Solutions, Malvern, PA** **Aug '05 - Jan '06**  
*Intern, Computer Aided Diagnosis Group*
- Developed machine learning algorithms to detect Lung Cancer, Colon Cancer and Pulmonary Embolism.
  - **Patents**: Fung, G., Krishnapuram, B., Vural, V., Rao, B. “Using Candidates Correlation Information during Computer Aided Diagnosis.”
- Programming Skills**: R, MATLAB, SQL, C#, Java, C++, C, Python

### EDUCATION

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- Ph.D. Electrical and Computer Engineering Department, Northeastern University, Boston, MA** **Jan '09**
- Concentration: Statistical Machine Learning
- M.S. Electrical and Computer Engineering Department, Northeastern University, Boston, MA** **May '04**
- Concentration: Statistical Machine Learning
- B.S. Electrical and Electronics Engineering Department, Middle East Technical University, Ankara, Turkey** **May '01**
- Concentration: Double Major, Telecommunications and Computer Engineering

### AWARDS RECEIVED

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- Peer Recognition Award, Eze Castle Software '12
- Leadership Award, Eze Castle Software '09
- Travel-grant, Graduate and Professional Student Association, Northeastern University '06
- Travel-grant, International Conference on Machine Learning '04
- Ranked 280<sup>th</sup> among more than 1.5 million students in Turkish National University Entrance Exam '97