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EDUCATION

The University of Arizona, Tucson, AZ	Aug. 2013 - Aug. 2017 (Expected)
Ph.D. in Electrical and Computer Engineering, Minor in Mathematics Bilkent University, Ankara, Turkey	Sep. 2011 - Jul. 2013
M.S. in Electrical and Electronics Engineering Bilkent University , Ankara, Turkey B.S. in Electrical and Electronics Engineering	Sep. 2006 - Jun. 2011
EXPERIENCE	
Huawei Technologies, Santa Clara, CA Visiting Machine Learning Engineer	May 2017 - Present
 Research on machine learning methods to estimate characteristics of network Setting up a Spark cluster with Hadoop to perform tests with bigdata. 	traffic in datacenters.
The University of Arizona, Tucson, AZ Graduate Research Assistant	Aug. 2013 - Present
 Research in the areas of information and coding theory, distributed storage sy Led time series prediction project where computational neuroscience technique 	
 Research on cloud storage systems in terms of developing coding technique different failure models and analysis of maintenance of data in both wireless clo 3 conference and 1 journal publications, and 2 conference and 2 journal submit 	oud storage and cloud storage with backup.
BOSCH Research and Technology Center, Palo Alto, CA <i>Data Mining Research Intern</i>	May 2015 - Aug. 2015
 Research in time series event prediction. Main goal was to find dependencies and forecasting future events. Created a web page that details different time set. Implemented Piecewise-constant Conditional Intensity Model (PCIM) in MA 	series event prediction algorithms.
closed-form Bayesian approach to learning and represents each label with a de	
Bilkent University, Ankara, Turkey Research and Teaching Assistant	Sep. 2011 - Jul. 2013

Research and Teaching Assistant

· Research in the areas of network measurement, modeling and queuing system analysis. Developed a tool to analyze networks with round-robin scheduling using active queue management. Performed simulations in MATLAB and NS-3.

· Teaching in 3 courses: Wireless Networking, Microprocessors, Circuit Theory.

PROJECTS

- Network Traffic Estimation: Implemented various estimation algorithms proposed for network traffic in datacenters in Python. Performing research on neural networks and other time series estimation methods to develop better algorithms.
- Time Series Prediction: Performed research on STDP learning and spiking neural networks (SNN) for time series event prediction. Implemented SNN in Python. Mentored 3 graduate students.
- Coding for Cloud Storage: Developed codes for cloud storage which can recover from correlated failures of multiple storage units. Developed maintenance strategies for coded-cloud storage over wireless devices. Performed maintenance analysis of hybrid coded-cloud storage (including both backup and storage nodes). Used MATLAB for various simulations.

SELECTED COURSEWORK

- Graduate Level: Statistical Machine Learning, Applications of Machine Learning and Data Analytics, Advanced Statistical Regression, Information Theory, Detection and Estimation, Channel Coding, Wireless Protocols, Real Analysis, Applied Stochastic Process, Digital Communications, Advanced Signal Processing, Wireless Communications, Communication Network Analysis, Internet Architecture and Protocols, Linear Systems, Random Processes, Queuing Systems.
- · Undergraduate Level: Algorithms and Programming, Linear Algebra, Probability, Signals and Systems, Control Systems, Digital Signal Processing, Computer Networks, Telecommunications I-II, Neural Networks, Wireless Networking.

HONORS AND AWARDS

- · Graduate Fellowship Award by The University of Arizona (includes tuition waiver and stipend).
- · University Fellowship Award by the Graduate School of Bilkent University (includes tuition waiver, stipend and housing). · Full Undergraduate Scholarship by Bilkent University (includes tuition waiver, stipend and housing).
- · Ranked 143rd in the National University Entrance Exam of Turkey (~ 1.5 million students).

COMPUTER SKILLS

· MATLAB (advanced), Python (NumPy, SciPy, Pandas, TensorFlow, Keras) (intermediate), Java (intermediate), R (intermediate), Hadoop (basic), Spark (basic), SQL (basic), Electronic Circuit Design Tools, IATFX, Microsoft Office.