# FULYA KOCAMAN

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## PROFESSIONAL EXPERIENCE

California State University, Fullerton — **June 2021 - May 2022**
*Research Assistant*

- Built models based on Natural Language Processing, Machine Learning, and Deep Learning Algorithms for classification of cancer from gene mutations on clinical text dataset
- Analyzed and compared the performances of different models and algorithms
- Received 2022 NATO Research Scholarship and selected finalist of 2022 NCWIT Collegiate Award based on this work
- Published two papers as a result of this research
  [1] F. Kocaman, D. Bein, M. S. Nistor, and S. Pickl, "Performance Comparison between Deep Learning and Machine Learning Models for Gene Mutation-Based Text Classification of Cancer," 19th International Conference on Information Technology - New Generations (ITNG), April 2022
  [2] J. S. Mandava, F. Kocaman, D. Bein, A. Verma, M. S. Nistor, and S. Pickl, "Machine Learning for Classification of Cancer Dataset for Gene Mutation Based Treatment," 19th International Conference on Information Technology - New Generations (ITNG), April 2022

*Adjunct Mathematics Faculty* — **January 2011 - May 2019**

- Taught Algebra, Calculus, Statistics at Santa Ana, Santiago, and MiraCosta Community Colleges

*Math & Science Teacher* — **August 2008 - December 2010**

- Taught Math, Statistics, Science, and Exam Prep (AP Calculus, AP Stat, SAT) classes at Halstrom High School

## EDUCATION

California State University, Fullerton, CA — **August 2019 – May 2022**
*Master of Science in Computer Science*

- GPA: 3.94/4.0
- Completed extensive coursework in Machine Learning, Artificial Intelligence, Expert Systems, Advanced Algorithms, Software Engineering, System and Software Standards, Software Design, Agile SDLC Methodology, DevOps
- Developed projects using Python, C++, TensorFlow, Keras API, Flask, SQL, SPARQ

California State University, Fullerton, CA — **August 2006 - May 2008**
*Master of Arts in Mathematics*

- GPA: 3.88/4.0
- Included in Dean's Honors List
- Completed extensive coursework in Advanced Calculus, Numerical Analysis, Probability, Applied Statistics and Stochastic Process using R, SAS and MATLAB
- Lectured Intermediate Algebra
- Worked as a Grader for Analytic Geometry and Calculus, Mathematical Probability

Gazi University, Ankara, Turkey — **September 1999 - June 2003**
*Bachelor of Science in Science Teaching*

- Included in Dean's List

## TECHNOLOGIES

- Languages: Python, C++, SAS, R, MATLAB
- Other: SQL, Git, SPARQ, Flask, HTML, CSS, Prolong, CLIPS, Linux

## WORK AUTHORIZATION

- US Citizen