

CONTACT INFORMATION	<p>Department of Mathematics Texas A&M University 77843, College Station, TX, US</p>	<p><i>E-mail:</i> okilicer@tamu.edu <i>Room:</i> 502-E Blocker <i>Phone:</i> 9798074243 <i>Website:</i> okilicer.github.io</p>
EDUCATION	<ul style="list-style-type: none"> • Ph.D. in Mathematics, September 2017-May 2025, Texas A&M University (TAMU), College Station, TX, US Dissertation Title: Higher Order FEM for Surfaces Stokes Problems Relevant courses: <ul style="list-style-type: none"> • STAT 624: Database & Comp Tools Big Data • STAT 639: Data Mining & Analysis • MATH 664: Topics in Mathematical Data Science • MATH 679: Math Algorithms & Implements • Other Courses: Numerical Methods in Differential Equations, Introduction to Ordinary & Partial Differential Equations, Analysis for Applications, Combinatorics, Real Variables I, II, Differential Geometry, Conservation Laws • M.Sc. in Mathematics, 2013-2015 TOBB Economics and Technology University, Ankara, TURKEY • B.S. in Mathematics, 2009-2013 TOBB Economics and Technology University, Ankara, TURKEY 	
RESEARCH INTERESTS	<ul style="list-style-type: none"> • Computational Mathematics: Finite Element Method (FEM) • Applied Mathematics • Machine Learning (Serious Hobby) 	
IMPORTANT CERTIFICATES	<ul style="list-style-type: none"> • AWS Certified Machine Learning-Specialty, Date: Oct 29, 2023 • AWS Certified Cloud Practitioner, Date: Dec 26, 2022 • Coursera: Machine Learning, Date: December 13, 2019 • Udemy: The Ultimate MySQL Bootcamp: Go from SQL Beginner to Expert, Date: Nov 27, 2023. 	
CODING SKILLS	<ol style="list-style-type: none"> 1. Python <ol style="list-style-type: none"> (a) Confident: Tensorflow, Sklearn, Matplotlib-Seaborn, Pandas, Numpy, Re. Some Examples: <ul style="list-style-type: none"> • NLP-Classification problem: Transfer Learning using BERT(e.g., Disaster Tweets on Kaggle). • Time Series by Using LSTM • Classification by using XGBoost(others, too) for Titanic problem. • Classification-Computer Vision Problem by using CNNs (b) Familiar: PyTorch, Plotly, Scipy, Sympy, Fenics (FEM), Cvxopt, Ngsolve (FEM) 2. MySQL 3. C++: Deal.ii (FEM) 4. Git 	

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| GRANTS, HONORS,
AND AWARDS | <ul style="list-style-type: none"> • Summer research grants from NSF for the years 2020-2025, and research grant for Fall 2022, Supervisor: Dr. Alan Demlow, Texas A&M University (TAMU) and CoChair Dr. Andrea Bonito, TAMU • Graduated from M.Sc. in Mathematics at TOBB Economics and Technology University with High Honor Diploma 2015 • Research Fellowship of Scientific and Technological Research Council of Turkey (TUBITAK) as a M.Sc. Researcher Under 1001 program, 2013-2015 • Graduated from B.S. in Mathematics at TOBB Economics and Technology University with High Honor Diploma 2013 as the top ranking student • Academic Scholarship for Undegraduate in Mathematics at TOBB Economics and Technology University, 2009-2013 |
| EMPLOYMENT
HISTORY | <ul style="list-style-type: none"> • Super Instructor of Record¹ (IOR) for Spring 2025, and two times IOR for Fall 2022 and Fall 2024: Math 142, Business Calculus, Texas A&M University, US • September 2017-Present, Teaching-Research Assistant, Texas A&M University, US. Python Related Assistantships: Math 609: Numerical Analysis, Math 151-152 Engineering Mathematics |
| PAPERS AND
BOOK CHAPTER | <ul style="list-style-type: none"> • O. Kilicer, A. Demlow, Analysis of the Geometric Errors and Higher Order Fem for the Surface Stokes Equation, In Preperation • B. Aksoylu, F. Celiker, and O. Kilicer, Nonlocal problems with local boundary conditions in higher dimensions, Advances in Computational Mathematics, 45 (2019), pp. 453-492, doi. • B. Aksoylu, F. Celiker, and O. Kilicer, Nonlocal operators with local boundary conditions: An overview, Handbook of Nonlocal Continuum Mechanics for Materials and Structures, Voyiadjis G. (eds), (2019), pp. 1293-1330, Springer, Cham, doi |
| REFERENCES | <ul style="list-style-type: none"> • Dr. Alan Demlow (Supervisor), Texas A&M University, Math Department, College Station, Texas, US.
Email: demlow@math.tamu.edu |

¹Coordinator of Graduate Students