

MERT SANER

E-mail: mertsaner[at]hotmail.com

EDUCATION

2020-Present **Technical University of Berlin, Faculty of Mathematics, Berlin, Germany**

M.Sc. in Scientific Computing;

- ✓ The program aimed at specializing in Numerical Analysis.
 - ✓ Taking course work on; Numerical Linear Algebra I & II, Scientific Computing, Linear and Combinatorial Optimization, Algorithm Engineering
- TU Berlin ranked #139 in Times Higher Education (THE) World University Rankings 2022

2015-2020 **Bilkent University, Faculty of Engineering, Ankara, Turkey**

B.S. in Industrial Engineering;

- Bilkent University is one of the nation's leading research universities.
- ✓ Completed 51 Courses equivalent of 264.5 ECTS credits successfully in 4.5 years.
- ✓ Completed course work on; Optimization, Simulation, Probability and Statistics, Linear algebra, Inventory theory, Stochastic programming.

Projects:

GE 401-402, Innovation Design, and Entrepreneurship (senior project).

Research project on "Network Optimization for Countries with Low Electricity Coverage." The course-based project involved solving a modeling problem and conducting a sensitivity analysis using Xpress and Excel Solver.

2014-2015 **Bilkent University, English Language Preparatory Program, Ankara, Turkey**

2009-2013 **Ayranci Anatolian High School, Ankara, Turkey**

Science/Mathematics Student

EXPERIENCE

Aug-Oct 2021 **Forschungszentrum Jülich, Graduate Research Student, Jülich, North Rhine-Westphalia, Germany**

It is one of the largest interdisciplinary research centres in Europe.

- ✓ Worked on advanced game tree implementations and optimization in Python programming language.
- ✓ Made a literature review and researched possible further improvements of the project
- ✓ Created and implemented heuristic algorithms to the program.

Aug-Sep 2019 **Phoenics GmbH, Information Technology Intern, Hannover, Lower Saxony, Germany**

Leading provider in the field of photogrammetry and GIS services in Germany.

- ✓ Designed website using front end development tools and created a multi-language website for stakeholders throughout Europe.
- ✓ Improved company infrastructure by organizing IT services.
- ✓ Teamed up with the Phoenics staff to provide maximum online promotion of the brand.

Aug-Sep 2018 **SIKA AG, Production Department, Intern, İstanbul, Turkey**

Swiss specialty chemicals company with a leading position in the development and production of systems and products.

- ✓ Contributed to the strategic planning process for Sika Turkey by determining the best ways to use machinery to maximize efficiency while keeping costs down and increasing company profits.
- ✓ Conducted research on emerging technologies and trends in the Turkish chemical production market to identify business needs, identify potential stakeholders, and come up with action plans to develop strategic plans and business strategies.

VOLUNTEER ACTIVITIES

Jul-Aug 2018 **European Voluntary Service, Râmnicu Sărat, Romania**

- ✓ Participated as a volunteer in the project and worked for civil rights and social action.
- ✓ Promoted the nonformal methods in school, to work in intercultural events at the kindergarten, and to teach Turkish in the local high school.

Jun-Jul 2018 **Vrijwilligerscentrale, Nijmegen, Netherlands**

- ✓ Volunteer in a society which aimed to protect the environment from pollution.

Sep-Nov 2014 **RadioBilkent, Ankara, Turkey**

- ✓ Organizing and editing scripts for the radio programs as well as being a responsible teammate for the student club.

SKILLS AND ABILITIES

Computer

Programming: Java, C++, Julia, Python, MATLAB
Optimization: Xpress IVE, GAMS, Excel Solver
Database: SQL, MS Access
Statistics: Minitab
Design: SolidWorks, CorelDraw, Adobe InDesign
Other: Microsoft Office (Word, Excel, PowerPoint, Access, Project), Arena Simulation
Languages Turkish (native), English (C1-C2, Academic IELTS 7.0/9.0), German (B2)

EXTRACURRICULAR ACTIVITIES

- **Founder and editor of carsofturkey.com magazine**, 2014-2020
 - ✓ Wrote more than 50 articles about cars and car culture.
 - ✓ Built his website by using WordPress and web development tools.
- **Writer and Board Member, Bilkent Gazette Society**, 2014-2019
 - ✓ Driving brand new cars and review them for potential buyers.
 - ✓ Providing and managing content using WordPress.
- **Board Member, Bilkent University Swimming Club**, 2015-2019
 - ✓ Licensed Swimmer.
 - ✓ Represented the club and worked to promote its image at competitions in Turkey.
- **Member, INFORMS** (Institute for Operations Research and Management Science), 2015- 2019
- **Board Member, Bilkent University Engineering Society**, 2014-2018
 - ✓ Participated in high-profile business conferences.

OTHER INFORMATION

Achievements & Certificates

- IELTS Academic, Overall band score of 7 from The International English Language Testing System, Ankara, Turkey, April 2020
- TESOL/TESL/TEFL Certificate, Oxford Seminars, Oklahoma City, OK, USA August 2017
- Advanced Plus English Certificate, Washington English Center, Washington D.C, USA, August 2016
- Placed in the top 1% in the National High School Exam among over 2 million students, Ankara, Turkey, July 2014

Personal Traits

Possesses leadership skills, willing to take the initiative, target-oriented, self-disciplined, versatile, good at planning and organization

Hobbies & Interests

Swimming, Skiing, Jogging, Blogging, Travelling, Volunteering, Reading, Programming