

MUSTAPHA MUAZU JODI



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EDUCATION

Boğaziçi University

PhD, Civil Engineering

Istanbul, Türkiye

September 2019 – June 2025

Boğaziçi University

Masters, Civil Engineering (GPA: 3.50/4.00)

Istanbul, Türkiye

February 2017 – June 2019

Gaziantep University

Bachelor, Civil Engineering (GPA: 3.34/4.00)

Gaziantep, Türkiye

September 2013 – January 2017

SKILLS SUMMARY

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- Turkish (Intermediate), English (Native), Arabic (Low-intermediate)
- Project Management (MS Office, Bluebeam Revu)
- Geographic Information Systems (ArcGIS Pro advanced spatial analysis) using ArcGIS Online organization
 - Familiarity with QGIS
 - Working knowledge of ArcGIS Enterprise
- Computer Aided Design (AutoCAD, Civil 3D)
- Building Information Modeling (Revit, Tekla Structures)
- Scientific Computing (MATLAB and Simulink; R)
- Web Design and Full-Stack Development (Figma, HTML, CSS, JavaScript, Python)
- Structural Analysis and Design
 - Software e.g. SAP2000, ETABS, IDEA StatiCa, SCIA Engineer
 - Int'l and local codes e.g. ASCE-7, AISC, ACI, NBC, CSA, TBDY etc.

CERTIFICATIONS

credly.com

- Google Cloud Digital Leader
- Google UX Designer Coursera UX Specialization
- Microsoft UX Designer Coursera UX Specialization
- UC Davis Coursera GIS Specialization
- Uni of Toronto Coursera GIS Specialization

EXPERIENCE

Doctoral Researcher | Boğaziçi University | Istanbul, Türkiye | September 2019 – Present

- Worked on fire safety evacuation models for buildings for >1,100 high-rises in Istanbul.
- Developed, integrating agent-based simulation with ArcGIS network analysis.
- Produced high-resolution vulnerability maps and web apps for Istanbul's high-rise stock, informing municipal safety policy.

Online Math Tutor | Littera Education | New York, USA | November 2023 – Present

- Deliver instruction for K-12 students in Algebra I, Algebra II, tailoring lessons to individual learning needs.

Freelance Instructor | Self-employed | Istanbul, Türkiye | January 2018 – Present

- Develop and deliver university-level courses, including Calculus, Statics, Dynamics, and Strength of Materials, fostering a deep understanding of engineering principles.

Civil Engineering Intern | Mendos İnşaat | Istanbul, Türkiye | September 2016 – January 2017

- Oversaw finishing works at the Emaar Square Mall project, ensuring quality control and adherence to project specifications and safety standards.

Structural Engineering Intern | Ministry of Works & Transport | Nigeria | June 2016 – August 2016

- Supervised project processes and conducted field inspections to guarantee compliance with engineering standards.
- Assisted in preparation of structural design details for reinforced concrete structures to support project development.

Civil Engineering Intern | Ministry of Works & Transport | Nigeria | June 2015 – August 2015

- Supported project managers on civil engineering projects by contributing to design initiatives.
- Coordinated project processes, field inspections, material procurement, and logistics, thus improving overall efficiency.

ACADEMIC PUBLICATIONS

- Jodi M. M., Selamat S. & Wang Y. "City-wide fire vulnerability map of high-rise residential buildings", *Fire Technology*, 2023.
- Jodi M. M. & Selamat S. "Egress in High-Rise Residential Buildings under Fire Conditions", *UBAK*, Şanlıurfa, 2019.