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Experience

- 2017 – ···· 📌 **Software Developer**, i4Works Co., Technopolis, Middle East Technical University
- 2013 – ···· 📌 **Research Assistant**, Civil Engineering Department, Middle East Technical University

Education

- 2016 – ···· 📌 **Ph.D. Civil Engineering** in Middle East Technical University
Thesis title: *Automated Earthwork Progress Monitoring for Construction Projects*
- 2013 – 2016 📌 **M.Sc. Civil Engineering** in Middle East Technical University
Thesis title: *Development of UAV-Based Pavement Crack Identification System Using Artificial Intelligence*
- 2009 – 2013 📌 **B.S. Civil Engineering** in Middle East Technical University

Research Publications

- 1 **A. B. Ersoz** and O. Pekcan, “İnsansız Hava Araçları Kullanılarak İnşaat Projeleri İçin Otonom Hafriyat Takip Sistemi,” in *XI. Türkiye Ulusal Fotogrametri ve Uzaktan Algılama Birliği (TUFUAB) Teknik Sempozyumu*, 2022.
- 2 **A. B. Ersoz**, O. Pekcan, and O. B. Tokdemir, “Lean Project Management using Unmanned Aerial Vehicles,” *Tamap Journal of Engineering*, 2019. 📄 DOI: 10.29371/2018.3.65.
- 3 M. Altun, **A. B. Ersoz**, T. Teke, T. Kurt, A. Akcamete-gungor, and O. Pekcan, “Application of Artificial Neural Networks on Building Energy Estimation,” in *International Conference on Engineering Technologies (ICENTE'17)*, 2017.
- 4 **A. B. Ersoz**, O. Pekcan, and T. Teke, “Crack Identification for Rigid Pavements using Unmanned Aerial Vehicles,” *IOP Conference Series: Materials Science and Engineering*, vol. 236, no. 1, 2017, ISSN: 1757899X. 📄 DOI: 10.1088/1757-899X/236/1/012101.
- 5 **A. B. Ersoz**, O. Pekcan, and T. Teke, “Unmanned Aerial Vehicle Based Pavement Crack Identification Method Integrated With Geographic Information Systems,” in *Transportation Research Board 96th. Annual Meeting, Washington, DC. USA*, 2017.
- 6 **A. B. Ersoz**, “Development of UAV-based Pavement Crack Identification System using Artificial Intelligence,” Ph.D. dissertation, 2016.
- 7 O. Pekcan, **A. B. Ersoz**, and T. Teke, “Pavement Crack Detection Using Unmanned Air Vehicles,” in *Transportation Research Board 95th. Annual Meeting, Washington, DC. USA*, 2016.
- 8 O. Pekcan, **A. B. Ersoz**, T. Teke, G. G. Dogan, G. O. Tarakcioglu, and C. Baykal, “Damage Identification of Coastal Structures Using Image Processing Techniques,” in *35th International Conference on Coastal Engineering, Istanbul, TURKEY*, 2016.

Skills

Languages	📖	Fluent in English, Turkish Native Speaker.
Programming	📖	Python, Javascript, SQL, \LaTeX
Databases	📖	MySQL
Web	📖	HTML, CSS, NodeJS, AngularJS, Amazon Web Services

Miscellaneous Experience

Certification

2021	📖	Neural Networks and Deep Learning , Deep Learning AI <i>Credential ID:4ABXHC8JXV5U</i>
	📖	Convolutional Neural Networks , Deep Learning AI <i>Credential ID:76T4DL87B844</i>
2020	📖	Introduction to Computer Science , Harvard University
2019	📖	Learning How to Learn , UC San Diego <i>Credential ID:9T5PASK7SQXW</i>

References

Available on Request