



Umut Mete Saka

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Denver Metro Area, CO, USA

Education




- Aug 2022 – May 2024  **M.Sc., Computer Science** Colorado School of Mines
Advisor: *Dr. Gabe Fierro*
- Sep 2018 – Jan 2022  **B.Sc., Industrial Engineering** Bogazici University

Research Publications




- Smith, N.M., Seguin, K., **Saka, U.M.**, Duzgun, S., Soud, D., White, J. Indicators of illicit activities in gold supply chains: Insights from Peru and Kenya. WIDER Working Paper 2023/68. Helsinki: UNU-WIDER.
- First-Author of the following ongoing papers:
 - **Saka, U.M.**, Duzgun, S., Bazilian, M., Analysis of World Trade Data with Machine Learning to Enhance Policies of Mineral Supply Chain Transparency
Submitted to **Resources Policy** Journal
 - **Saka, U.M.**, Hague, K.P., Duzgun, S., Smith, N., Analysis of the CO₂ Emissions impact of Deforestation and Mining in Madre de Dios, Perú;
Our work is accepted to poster presentation at SME Minexchange conference (manuscript is to be submitted to **The Extractive Industries and Society** journal in January 2024)

Employment History




Academic Experience

- Aug 2023 –  **Adjunct Instructor** Colorado School of Mines
I am the instructor of record in a section of CSCI 128, a core curriculum class. I teach a class of 75 students. With the positive feedback, I'll be teaching two sections in Spring 2024.
- Jan 2023 –  **Course Assistant** Colorado School of Mines
I am in the team of CS for STEM and Algorithms courses to contribute in the teaching activities and improvement of teaching material
- Jan 2022 –  **Research Assistant** Colorado School of Mines
*I am a member of Data-Driven Cyber Physical Systems Lab, led by Dr. Gabe Fierro. My current research is on knowledge graphs and serverless cloud computing
I worked as a Research Assistant in an NSF funded project on Illicit Gold and Mercury Supply Chains, led by Dr. Sebnem Duzgun and Dr. Nicole Smith.*

Professional Experience





- Feb 2021 – Dec 2021  **Risk Analyst Assistant** Marsh Advisory, MMC
I collaborate projects on Cyber Risk Consulting, Risk Quantification, Risk Financing Optimization and Benchmarking.
- Jul 2020 – Jan 2021  **Marketing Intern** Affluent / Private Banking, QNB Finansbank
- Apr 2019 – Sep 2022  **Business Development Intern** Acibadem Healthcare Group

Skills

- Languages  English, Advanced (TOEFL: 109); Turkish, Native
- Coding  Java, Python, R,C++, C, \LaTeX , ...
- Misc.  Academic research, teaching,

Miscellaneous Experience



Awards, Scholarships, Fellowships

- 2023  **McQuiston Fellowship**, By Mining Engineering Department
-  **C-MAPP Scholarship**, By Computer Science Department
- 2022  **McQuiston Fellowship**, By Mining Engineering Department
- 2016  **Merit Based Scholarship**, By Republic of Turkey, Four Year Scholarship for the top 100 students in the National University Placement Exam (Amongst 2 million people)

Leadership

- 2019  **President of Bogazici University Dance Society**, Elected president for the society with over 500 active members

Other

- 2023  **Judge, Congressional App Challenge**. I was selected as a Judge to evaluate the mobile app ideas of high school students, by Congresswoman Brittany Pettersen's office (CO-07)
-  **Colorado State Dance Champion**

References

Available on Request