

David-Andrei Bunaciu

Cetățenie: română Data nașterii: 09/11/1994 ☐ E-mail: [REDACTED]

☐ Acasă: Bucuresti (România)

EXPERIENȚA PROFESIONALĂ

Data Engineer

Booking Holdings International [01/07/2024 – În curs]

Țara: România

Asistent universitar

University of Bucharest [09/2018 – În curs]

Localitatea: Bucharest

Facultatea de Sociologie si Asistenta Sociala (*pana in 2023*)

Facultatea de Teologie Baptista: (*in curs*)

Senior Data Analyst

Kape Technologies [07/2023 – 07/2024]

- Redefined the approach to data collection and analysis for customer health metrics, significantly reducing noise and thereby enhancing the accuracy of forecasting.
- Active contributor to the development of research methodology across all departments, with a notable achievement in devising the brand pricing strategy.
- Proactively scrutinized data to identify and rectify inconsistencies.
- Provided statistical guidance and consultancy for various departments.
- Created statistical models for churn prediction, user classification and conversion rate improvements
- Undertook exploratory research projects, including social media listening, competitor analysis and churn prediction.

Supplementary Projects:

- Developed an internal tool for statistical analysis that facilitated the testing for significance of experiments (Chi-Sq, Z-Test, T-Test).
- Established an anomaly detection algorithm to filter out crawlers and bots from experiment data, using Isolation Forest.
- Streamlined the pipeline from the data warehouse, augmenting the accuracy of experiments by 15%.

Data Analyst

Kape Technologies [06/2022 – 07/2023]

Localitatea: Bucharest

Cercetător științific

University of Bucharest [06/2020 – 07/2024]

Localitatea: Bucharest

Membru al echipei de cercetare GraphNets

Quantitative Researcher

MedNet Marketing Research Center [06/2021 – 06/2022]

Localitatea: Bucharest

Statistician

Directia de Sanatate Publica Bucuresti [05/2020 – 12/2020]

Localitatea: Bucharest

Administrator de baze de date

Project Ruth [01/2019 – 08/2020]

Localitatea: Bucharest

Research intern

Center for European Policy Analysis (CEPA) [07/2019 – 09/2019]

Localitatea: Washington D.C | **Țara:** Statele Unite

- Conducting research with the political analysis and security team within the CEPA program "Strengthening the Frontline" on the following countries: Georgia, Ukraine, Rep. Moldova and Romania.
- Conducting research with the political analysis and security team within the CEPA StratCom program on combating and exposing Russian misinformation and disinformation in Central and Eastern European countries.

Voluntar

Fundatia Providenta [2012 – 2018]

Localitatea: Bucharest

Voluntar

BMC William and Mary [06/2016 – 10/2016]

Localitatea: Williamsburg, VA | **Țara:** Statele Unite

EDUCAȚIE ȘI FORMARE PROFESIONALĂ

PhD. in Sociologie

University of Bucharest [2018 – 2024]

Localitatea: Bucuresti | **Țara:** România

Master in Advanced Research in Sociology

University of Bucharest [2016 – 2018]

Localitatea: Bucuresti

Teologie Asistenta Sociala

University of Bucharest [2013 – 2016]

Localitatea: Bucuresti

Python 3

Codecademy [16/11/2021]

SQL

Codecademy [07/2023]

Data Analysis with Pandas

Codecademy [09/2022]

Certificate in Advanced English (CAE C1)

University of Cambridge [06/2012]

COMPETENȚE LINGVISTICE

Limbă(i) maternă(e): română

Altă limbă (Alte limbi):

engleză

COMPREHENSIUNE ORALĂ C2 CITIT C2 SCRIS C1

EXPRIMARE SCRISĂ C2 CONVERSAȚIE C2

Niveluri: A1 și A2 Utilizator de bază B1 și B2 Utilizator independent C1 și C2 Utilizator experimentat

COMPETENȚE DIGITALE

My SQL Database / SPSS / Microsoft Office / Elastic Search and Kibana / Python (matplotlib, pandas, numpy, etc)
/ Power BI, Power Query / Tableau

PUBLICAȚII

[2024]

Otniel Ioan BUNACIU, David Andrei BUNACIU, [Secularizarea din perspectiva secularităților multiple: Cazul României și al Cehiei / Secularization from the Perspective of Multiple Secularities: The Cases of Romania and Czech Republic](#), *Jurnal teologic* Vol 23, Nr 2 (2024): 5-20

Jurnal Teologic

[2022]

Hâncean, MG., Lerner, J., Perc, M. et al. Occupations and their impact on the spreading of COVID-19 in urban communities, *Sci Rep* 12, 14115 (2022)

Nature

[2022]

Hâncean, MG., Ghiță, M.C., Perc, M. et al. Disaggregated data on age and sex for the first 250 days of the COVID-19 pandemic in Bucharest, Romania. *Sci Data* 9, 253 (2022).

Nature

[2021]

Hâncean, M. G., Lerner, J., Perc, M., Ghiță, M. C., Bunaciu, D. A., Stoica, A. A., & Mihăilă, B. F. The role of age in the spreading of COVID-19 across a social network in Bucharest. *Journal of complex networks*, 9(4), cnab026.

Oxford University Press