Nevena Gligić

PhD student, Department of Statistics and Data Science

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EDUCATION

The University of Texas at Austin Austin, TX
PhD Statistics (Department of Statistics and Data Science) Aug 2022 – Jun 2027

University College London (UCL) London, UK
MSc Computational Finance (Final grade: First Class) Sep 2020 – Sep 2021

The University of Manchester Manchester, UK
BSc (Hons.) Mathematics (Final grade: Upper Second Class (2:1)) Sep 2017 – May 2020

RESEARCH PROJECTS

Signal detection in a noisy environment *(Work in progress.)*

- Professor: Dr. Arya Farahi

Outlier detection with applications to utility management *(Work in progress.)*

- Professor: Dr. Arya Farahi
- Collaboration with the City of Austin.

ACHIEVEMENTS AND AWARDS

- *College of Natural Sciences PhD Fellowship (2022-2027)*
- *The School of Mathematics Entrance Scholarship (2017).*

EXPERIENCE

The University of Texas at Austin Austin, TX (USA)
Graduate Research Assistant May 2024 - Present

- Professor: Dr. Arya Farahi
- Project title: Signal detection in low signal-to-noise ratio regime

The University of Texas at Austin Austin, TX (USA)
Teaching Assistant Aug 2022 – May 2024

- Lead office hours and provided one-on-one support for students in Introduction to Data Science.
- Provided simple explanations of complex statistical concepts to students new to R programming.
- Graded assignments and provided constructive feedback to help students improve.

The University of Texas at Austin Austin, TX (USA)
Graduate Research Assistant May 2023 - August 2023

- Professor: Dr. Mingyuan Zhou
- Goal: become confident and independent in using the latest diffusion models.

University College London, Santander UK London, United Kingdom
Summer Research Intern (Master's Thesis) Jun 2021 – Sep 2021

- Project title: Operational Risk Bayes Neural Network
- Research question: What change in operational losses values caused a change in operational risk measures?
- Applied neural networks, naive Bayes classifier, and multinomial logistic regression. Used Python and R.
- Presented the research question, methodology, findings, and the research importance and applications at Santander University Engagement Program 2021.
- Part of a team of four.

SKILLS

- **Programming:** R, Python, MATLAB, LaTeX, Git
- **Languages:** Croatian (Native), English (Fluent), German (Intermediate)