ALISSIA KIRSS

👤 Personal Details

Citizenship:	Estonia	**Tel.:**	+ 353 (85) 137 4041
Address:	11 Cartron Estate, Sligo,	**E-mail:**	alissiahrus@gmail.com
	F91 RYW8, Ireland		

🎓 Education

University College Dublin (UCD) — Dublin, Ireland
MSc. Data & Computational Science — 2022–Present

To be completed before September 2023:

- *Coursework:* Artificial Intelligence methods (incl. Machine and Deep Learning), Scientific and High-Performance Computing, Numerical Algorithms, Bayesian Analysis, Multivariate Analysis, Monte Carlo Inference, Stochastic and ODE/PDE Models
- *Technical skills:* C/C++, OpenMP, Rcpp, MATLAB, Stan, UNIX/Linux shell, Emacs

Vienna University of Economics and Business (WU Vienna) — Vienna, Austria
MSc. (WU) Quantitative Finance — 2020 –2022

- GPA: 1.25 (1.00 → best, 5.00 → fail); top 5% of the cohort
- Master's thesis (supervised by Univ.Prof.Dipl.-Ing.Dr.techn. Kurt Hornik):

  "Informational value of daily firm-specific Twitter sentiment: Analysis on short-term returns of large-cap U.S. companies"

National University of Galway (NUIG) — Galway, Ireland
BSc. Mathematical Science — 2016–2022

- Overall result: 90.88% (100.00% → best, < 40.00% → fail); top 10% of the cohort

Ursuline College Sligo (UCS) — Sligo, Ireland
Secondary School — 2011 - 2016

- Top 0.07% of ∼ 60,000 students by final year examination results in Ireland

💼 Work Experience

Vienna University of Economics and Business (WU Vienna) — Vienna, Austria
Teaching assistant (BC Mathematics) — Aug, 2021 - Oct, 2021

- Reviewing students' homework assignments and providing constructive feedback
- Assisting the course instructor in preparation of learning materials
- Constructing sample tests to prepare students for real examinations

</> Skills

- **Programming languages:** R, Latex, Python, SQL
- **Markup languages:** Markdown, XML
- **Tools:** RStudio, VS Code, Git, Jupyter Notebooks

🔤 Languages

- **Russian:** Native proficiency
- **English:** Bilingual proficiency
- **German:** Limited working proficiency (B2.1)

📦 Projects

Automated Financial Report Processing and Interpretation — 2021-2022
WU Vienna Industry Lab, in collaboration with Raiffeisen Research

- Developed an R package for efficient processing of ESEF reports
- Tested simple trading strategies based on extracted financial ratios
- Conducted ESG sentiment analysis on textual data

🏆 Scholarships and Awards

- University Scholarship (×3) NUIG, 2018–2020
- Excellence Scholarship NUIG, 2016
- Academic Scholarship ESFUSA[1], 2016
- Senior Scientist of the Year UCS, 2016
- Student of the Year UCS, 2012

👥 Extracurricular Activities

- Treasurer NUIG, 2018–2020
  Badminton Club
- Treasurer NUIG, 2017–2018
  Table Tennis Club
- Attendance Officer NUIG, 2017–2018
  Badminton Club
- First Year Representative NUIG, 2016–2017
  Table Tennis Club
- Volunteer Sligo, 2014 –2018
  Sports & Rec. and Volunteer Centres
- Vice Secretary UCS, 2013–2014
  Student Council
- Ordinary Committee Member UCS, 2012–2013
  Student Council
- Ordinary Committee Member UCS, 2011–2012
  Green Council

📢 References

- Available upon request

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[1]Estonian Student Support Fund in USA.