

# Nick (Seungheon) Oh

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Nationality Republic of Korea

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## EMPLOYMENT HISTORY

Sep 2021 — Jan 2023 Junior NLP Engineer, Numen Capital London

Worked on the in-house Knowsis research team, leveraging NLP and machine learning for alternative data insights.

- Developed NLP pipelines for alternative data insights, including ESG tweet classifier based on transformer architecture (97% accuracy) and rule-based sentiment analyser.
- Analysed NLP-derived data signals using multivariate time series models to forecast market movements, assisting quantitative investment strategies.

Jan 2023 — Present Principal Researcher, socius London

socius is an AI research lab endorsed by the London School of Economics creating open-source models and data to empower social scientists.

- Lead developer of sentibank, a large-scale open database consolidating 15 original and 43 processed sentiment dictionaries spanning diverse genres and domains.
- Created RedditHarbor, an accessible toolkit enabling effortless collection and storage of Reddit data in Supabase.
- Architected Sentium, an interpretable rule-based sentiment analysis model achieving state-of-the-art performance across social science domains.

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## EDUCATION

Sep 2016 — Jun 2020 BSc Politics and Economics, London School of Economics & Political Science (LSE) London

*Upper Second Class Honours* [Cumulative GPA: 3.5-7/4.0]

*MA314 Algorithms and Programming* [First Class / GPA: 4.0]

*GV324 Advanced Quantitative Methods in Political Science* [First Class / GPA: 4.0]

*MA301 Game Theory* [Upper Second Class (69/70) / GPA: 3.7]

Apr 2022 — Sep 2023 MSc Data Science and Artificial Intelligence, University of London London

*Distinction*

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## COURSES

Mar 2018 — Mar 2018 Big Data to Decisions: AI and Machine Learning (AIML1901), London Business School

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SKILLS	PyTorch	Expert	Database (Supabase)	Skillful
	NumPy	Experienced	PostgreSQL	Skillful
	TensorFlow	Experienced	Research Method	Experienced
	Pandas	Skillful		