

SUMMARY	<i>Data Scientist / Machine Learning Scientist with 7+ years of industry experience in driving business growth with end-to-end solutions using advanced data analysis, data mining & machine learning techniques to extract actionable insights from data. Experience in traffic acquisition, scaling user growth, performance marketing (Facebook, Google SEM, Affiliate Marketing), AdTech, A/B testing & experimentation, and cross-functional work. Strong track record of analyzing complex data sets to make a direct business impact on millions of users on a global scale.</i>	
EDUCATION	HARVARD UNIVERSITY (IACS), CAMBRIDGE, MA Expected 2023 M.S. in Data Science Coursework: Machine Learning: Algorithms & Applications, Probabilistic Machine Learning, Machine Learning for Sustainable Systems, Advanced Data Science (Computer Vision), Bayesian Inference WILLIAMS COLLEGE, WILLIAMSTOWN, MA 2011–2015 B.A. in Economics and Biology, Concentration in Public Health Full-Ride Scholarship (>\$250,000), Class of 1960's Scholar in Biochemistry & Molecular Biology	
EXPERIENCE	NIANTIC, INC (SERIES C FUNDING), SAN FRANCISCO, CA, UNITED STATES ⇒ <i>Data Scientist (Product Data Science, Anti-cheat)</i> 02/2021–08/2021 <ul style="list-style-type: none"> Developed anomaly detection methodologies to detect cheating at scale for ~15 million daily active users Productionalized machine learning models to predict cheating score with Vertex AI (precision: ~90%) Spearheaded dashboards for leadership decision-making on cloud infra spend to position company for IPO TRIPADVISOR, NEEDHAM, MA, UNITED STATES ⇒ <i>Machine Learning Scientist / Data Scientist (B2C, Performance Marketing)</i> 12/2019–01/2021 <ul style="list-style-type: none"> Built XGBoost model to predict user's attraction booking propensity to identify leads for remarketing. Productionalized ETLs to generate features for scalable machine learning model training & deployment. Implemented cross-device analysis of paid advertising to quantify incremental lift in attributable bookings. ALAN TURING INSTITUTE & UNIVERSITY OF WARWICK, LONDON, UNITED KINGDOM ⇒ <i>Data Science for Social Good Fellow (5% acceptance rate)</i> 06/2019–08/2019 <ul style="list-style-type: none"> Leveraged artificial intelligence & machine learning methods to make social impact at homelessness charity Built an ML recommendation system to scale operational efficiency & impact on helping the homeless. Model resulted in +18% increase in rate of finding homeless person for outreach relative to baseline. Designed & developed visualizations to highlight inequities in service delivery to homeless individuals. TRIPADVISOR, NEEDHAM, MA, UNITED STATES ⇒ <i>Senior Technical Product Analyst (Data Science, Performance Marketing)</i> 07/2015–11/2019 <ul style="list-style-type: none"> Analyzed, identified, and quantified fraudulent and anomalous hotel booking activity for Affiliate channel. Drove Affiliate Marketing win (+27% revenue lift) with "Best Use of Data" CJU Excellence Award. Spearheaded writing queries and ETLs with SQL, Python, and PySpark to extract insights for product. Translated & presented data insights into action items for executive leadership to prioritize mobile app. 	
PAPERS	Wilde, H., Chen, L., Nguyen, A. , Kimpel, Z. (2021). A Recommendation and Risk Classification System for Connecting Rough Sleepers to Essential Outreach Services. Cambridge University Press.	
SKILLS	SQL, Python, PySpark, BigQuery, Hive, Hadoop, Snowflake, GitLab, R, Tableau, Kubernetes, Docker	
TALKS	Microsoft: Machine Learning Summer School 2019, University College London, UK 07/2019 "Data Science for Social Good: Improving Systems for Connecting Rough Sleepers to Services"	
SERVICE	English as Second Language Tutor, Project Literacy, Watertown, MA 2017–2020 <ul style="list-style-type: none"> Tutor and teach English lessons on a weekly basis to a recent immigrant to the United States . Support individual seeking to apply for U.S. Citizenship by learning materials needed for naturalization. 	