Alec Stashevsky

alecstashevsky.com

Email: alec@alecstashevsky.com

Experience

Applied Scientist	Fetch Rewards	10/2022 - Present
Research Data Scientist	10/2021 - 10/2022

- Building out core infrastructure for document understanding and information extraction at the crux of graph machine learning, computer vision, and natural language processing. Research, develop, and productionize systems to extract information in real time from millions of consumer transactions each day.

Associate Analyst	NERA Economic Consulting	7/2021 - 9/2021
Research Associate	9/2020 - 7/2021

- Statistical modelling and economic analysis for high-stakes litigation involving structured finance, bankruptcy, cryptocurrencies, and mass torts. Develop financial models to estimate damages and predict the performance of complex financial instruments. Identify fraud and negligent risk management practices for Fortune 500 companies, SEC, DOJ, and FINRA.

Research Analyst	The Cadmus Group	11/2019 - 9/2020

- Design and evaluation of demand-side management programs, including a $600k+ randomized control trial on smart thermostat direct load-control. Forecast electric vehicle diffusion, demand elasticity, and decarbonization strategy for diverse energy industry clients.

Data Scientist	Kyrgies	10/2019 - 7/2020

- Lead a project investigating optimal advertising strategies for an online retailer by supplementing web analytics and operations resources to perform novel Geo-spatial analysis, market research, and ultimately lead generation.

Data Scientist Intern	KWM Wealth Advisory	7/2019 - 10/2019

- Develop dashboards to help financial advisers navigate bear markets and contextualize historical data using R and Shiny.

Teaching Assistant	Reed College	2 Years

- Probability, Statistics, Linear Algebra, and Economics

Systems Administrator	IRN Realty	6/2013 - 7/2015

- Manage all IT systems across two locations, LAN/WAN/NOC/NAS Administration. Coordinate business-wide IT projects and a team of up to 6 people. Manage 100+ workstations, network infrastructure, VPNs protocols, servers, MFPs, and PBX phone systems.

Education

Reed College, B.A. in Mathematics-Economics	
Commendation of Excellence	Freshman, Sophomore, Junior, Senior

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Publications and Research

Teaching to Our Time: a Survey Study of Current Opinions and Didactics About Climate   7/2022
 Mental Health Training in US Psychiatry Residency and Fellowship Programs.
 Academic Psychiatry (2022). doi:10.1007/s40596-022-01680-7

Estimation of the Carbon Footprint Associated With Attendees of the American Psychiatric   1/2021
 Association Annual Meeting. *JAMA Network Open.* 2021;4(1):e2035641.
 doi:10.1001/jamanetworkopen.2020.35641

Domestic Remittance in China: Rural一Urban Migration's Trail of Inequality.   5/2019
 Chinese Institute of Income Distribution, Beijing Normal University and Reed College.
 Advised by Heather Kitada, PhD and Nicholas Wilson, PhD.
 doi:10.13140/RG.2.2.19035.90405/1

Open-Source Development

Author and maintainer of **`blocklength`**, an R package for optimizing the block-length   1/2021 - Present
 parameter of a dependent bootstrap procedure (the block-bootstrap) commonly used
 in time-series modelling. Available on CRAN and at my GitHub.

Organizations

Graphaite, AI Researcher   3/2022 - Present
 Graphaite is an AI research collective made up of a diverse team of researchers and
 practitioners from around the globe. Graphaite was born out of a passion for graph
 neural networks and their applications.

Group for the Advancement of Psychiatry (GAP), Climate Committee   6/2020 - Present
 GAP is a think tank of top psychiatric minds whose thoughtful analysis and
 recommendations serve to influence and advance modern psychiatric theory and practice.
 I serve as a resident statistician supporting climate-related research.

Skills & Abilities

Statistical Programming and Data Science
- Python, R, SQL, STATA, SAS, Excel, Git, Docker

Machine Learning
- PyTorch, PyTorch Geometric, Hugging Face, scikit-learn, paddle-paddle, tidymodels

Cloud Computing and Model Deployment
- AWS (SageMaker, EC2, S3, ECR, EBS, DynamoDB), Snowflake, TorchServe, FastAPI, Redis

Web Analytics
- Google Analytics, Google Search Console, Grafana