

Alec Stashevsky

alecstashevsky.com

Email: alec@alecstashevsky.com

Experience

Data Scientist | [Fetch Rewards](#)

10/2021 - Present

- Building out core solutions for document understanding and information extraction at the crux of computer vision and natural language processing.

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. Built algorithms and financial models to estimate damages and predict the performance of complex financial instruments. Use a variety of programming languages to identify fraud and negligent risk management practices for Fortune 500 companies, SEC, DOJ, and FINRA.

Research Analyst | [The Cadmus Group](#)

11/2019 - 9/2020

- Utilize statistical modeling, data analysis, and machine learning to uncover consumer insights and make business recommendations for diverse energy industry clients. Primary analyst evaluating demand-side management programs, including a \$600k+ randomized control trial on smart thermostat direct load-control. Forecast electric vehicle diffusion and develop deliverable dashboards for stakeholders using R Shiny. Build models to forecast demand elasticity and potential energy reduction.

Data Scientist (Freelance) | [Kyrgies](#)

10/2019 - 7/2020

- Led a project investigating optimal advertising strategies for an online retailer by supplementing Google Analytics and operational data to perform Geo-spatial analysis, market research, and ultimately lead generation.

Data Scientist Intern | [KWM Wealth Advisory](#)

7/2019 - 10/2019

- Developed an interactive dashboard to help financial advisers navigate bear markets and contextualize historical data using R Shiny.

Teaching Assistant | Reed College

8/2016 - 12/2018

- Evaluate coursework and tutor for Probability, Statistics, Linear Algebra, and Economics classes. Provide coding support for R.

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

Class of 2019

Commendation of Excellence

2016, 2017, 2018

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Publications and Research

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

Domestic Remittance in China: Rural—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](https://doi.org/10.13140/RG.2.2.19035.90405)

Open-Source Development

Author and maintainer of [blocklength](#), an R package for optimizing the block-length parameter of a dependent bootstrap procedure (the block-bootstrap). Available on [CRAN](#) and at my [GitHub](#). 1/2021 - Present

Organizations

[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 Analysis
 R, Python, SQL, STATA, SAS, Excel, Apache Spark, Git, Google Analytics, Google Search Console

Machine Learning
 PyTorch, PyG, scikit-learn, tidymodels

Cloud Computing
 AWS (Sagemaker, EC2, S3, ECR, EBS), Snowflake

Office Suites & Typesetting
 Microsoft Office 365, G Suite, (R)markdown, LaTeX

Relevant Projects

Markov Chain Monte Carlo (MCMC) Metropolis-Hastings Algorithms for Bayesian Estimation 5/2019

Gibbs Samplers to Address The Change-point Problem 5/2018

Presentation: “TPP in Reality: Inequality and Labor Force Regulations” 1/2018