Chasen Jeffries

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Dynamic and analytical, I bring a unique blend of expertise in international relations and political science with cutting-edge analytics skills to find new ways to solve big political and economic problems.

PROFESSIONAL SUMMARY

I am seeking a role to apply my deep research skills and data science knowledge in policy analysis and decision-making, aiming to significantly contribute to the field of international political economy. I bring three years of specialized experience in international political economy and computational analytics. My expertise lies in data science, where I have excelled in analyzing, integrating, and visualizing complex data to uncover groundbreaking insights in research and policy areas. I am adept at making complex information accessible, having developed comprehensive codebooks and clear, impactful reports for diverse audiences.

SKILLS

Programming Languages: Proficient in R, Netlogo, Git, Python

Tools and Technologies:

- Experienced with advanced data pipelines, web-scraping techniques, ChatGPT, and Tableau.

Research and Analysis: Expertise in Identifying Problems and KPIs, Gathering Data, Extract-Transform-Load (ETL) processes, Exploratory Data Analysis (EDA), Feature Selection & Engineering, Model Selection & Analysis

Statistical Models:

- Expertise with regression (OLS, Logit) and classification techniques.
- Proficient in both supervised and unsupervised learning algorithms.
- Mastery of agent-based modeling, network analysis, natural language processing (NLP), and Monte Carlo simulations.

Teaching:

- **Curriculum Design and Delivery:** Developed and aligned course content with academic standards; delivered engaging lectures and personalized tutoring.
- **Student Assessment:** Created and administered evaluations, providing detailed feedback to support student development.

EXPERIENCE

Research Assistant, Claremont Graduate University   *08/2022 -*

- Conducted open-source research in English and Spanish, creating a novel dataset for exploring political and economic phenomena, enhancing field contributions.
- Extracted and integrated datasets from institutions like the World Bank and UN, enabling detailed analyses and enriching research insights.
- Designed visuals and tables to simplify complex data presentation, improving research clarity and audience engagement.

- Compiled a precise codebook for the master dataset, enhancing its usability and interpretability for diverse research applications.

Teaching Assistant, Claremont Graduate University   08/2023 – 12/2023
- Taught predictive analysis and machine learning using R to students, resulting in enhanced practical skills and theoretical knowledge.
- Explained complex topics such as Neural Networks and NLP, leading to improved student comprehension and application in projects.
- Developed project-based examinations to encourage the development of applied skills in students.
- Created specific ChatGPT prompts to assist students in understanding and applying complex topics to real-world scenarios.

Threat Researcher and Analyst, Red 5 Security   03/2020 – 02/2021
- Synthesized high-level threat analyses into precise, clear reports that provided actionable insights for high-priority client projects, balancing speed with analytical depth.
- Doubled report output by developing and applying advanced open-source research techniques, improving the speed and efficiency of threat analysis.
- Trained and integrated a new team member within two weeks, enhancing team capabilities in research, analysis, and communication.

EDUCATION

PhD, International Relations & Political Science   08/2021 –
Claremont Graduate University
Relevant Coursework: World Politics, Computation and Agent Based Modeling, Natural Language Processing, Policy Design and Implementation, Software Development, Strategic Modeling, Qualitative and Mixed Methods, Analysis of Social Networks, The World Economy.

M.A. International Political Economy   08/2021 – 05/2024
Claremont Graduate University
Relevant Coursework: Statistical Methods, Multivariate Analysis, Data Analysis and Visualization, International Political Economy, Political Economy of International Development, Comparative Political Economy.

B.A. History   08/2015 – 12/2019
High Point University
Relevant Coursework: Post-1945 Middle East, Modern Russia, Revolutionary China, American Politics

PUBLICATIONS
- Abdollahian, M., & Jeffries, C. (2024). Simulating Boyd's OODA Loop: Towards an ABM of Human Agency and Sensemaking in Dynamic, Competitive Environments. In Proceedings of the Seventeenth International Conference on Advances in Computer-Human Interactions (ACHI 2024) (pp. 76-84).

- Jeffries, C., & Kowarsch, K. Y. (2023). Machine Learning Prediction of Intellectual Property Rights Based on Human Capital Factors. In X. S. Yang, R. S. Sherratt, N. Dey, & A. Joshi (Eds.), Proceedings of Eighth International Congress on Information and Communication Technology. ICICT 2023. Lecture Notes in Networks and Systems (Vol. 693). Springer, Singapore.
- Jeffries, C., & Kowarsch, K. Y. (2021). Book Review: Demystifying China's Innovation Machine: Chaotic Order, by Marina Zhang, Mark Dodgson, and David Gann. Oxford University Press, 2021, 304 pp. Journal of Policy Analysis and Management.
- Jeffries, C. (2020). Spartan Austerity and Bribery. Colombia Journal of History, Summer 2020 (Volume IV: Issue II).

AWARDS
- DPE Board of Advisors Outstanding Scholar Fund   2022
- Luther J. Lee Jr. Memorial Award   2023
- Research Assistant of the Year Award   2023