Chasen Jeffries

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PROFESSIONAL SUMMARY

Dynamic and analytical, I bring over two 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. I am now 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.

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***

- Developed open-source researching skills, resulting in a doubling of report output.
- Performed high-level, fast-paced threat analysis, producing specific and accurate conclusions that led to actionable reports.
- Crafted precise, clear reports on conducted research and analysis.
- Worked collaboratively on high-priority client requests and projects, effectively balancing immediate report delivery with in-depth research and analysis.
- Trained a new team member in our project's research, analysis, and communication methods, achieving their full integration within two weeks.

EDUCATION

PhD, International Relations & Political Science ***08/2021 –***
Claremont Graduate University
Relevant Coursework: Natural Language Processing, Policy Design and Implementation, Software Development, Strategic Modeling, Qualitative and Mixed Methods

MA, International Political Economy ***08/2021 – 05/2024***
Claremont Graduate University
Relevant Coursework*:* Statistical Methods, Multivariate Analysis, Data Analysis and Visualization, Computation and Agent Based Modeling, World Politics, International Political Economy, Political Economy of International Development, Comparative Political Economy.

B.A., International Political Economy ***08/2015 – 12/2019***
High Point University
Relevant Coursework: Post-1945 Middle East, Modern Russia, Revolutionary China

TECHNICAL SKILLS

Languages**:** R, Netlogo, Git, Python
Tools**:** ChatGPT, Web-Scraping, Data Pipelines
Research and Analysis**:** Identify Problems and KPIs, Gather Data, Extract-Transform-Load (ETL) Data, Exploratory Data Analysis (EDA), Feature Selection, Feature Engineering, Model Selection, Model Analysis
Models: OLS, Logit, SVM, XGBoost, Supervised & Unsupervised Learning, Agent-Based Modeling (ABM), ERGM (Network Analysis), Natural Language Processing (NLP), Montecarlo Analysis, AI.
Learning**:** SQL, Tableau

PUBLICATIONS

- Chasen Jeffries & Karina Y. Kowarsch. Machine Learning Prediction of Intellectual Property Rights Based on Human Capital Factors. In: Yang, XS., Sherratt, R.S., Dey, N., Joshi, A. (eds) Proceedings of Eighth International Congress on Information and Communication Technology. ICICT 2023. Lecture Notes in Networks and Systems, vol 693. Springer, Singapore.
- Chasen Jeffries & Karina Y. Kowarsch. 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.
- Chasen Jeffries. 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