Andy Theocharous

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ENERGY AND ENVIRONMENTAL ECONOMICS, INC.   San Francisco, CA
Associate

Andy Theocharous supports E3's Asset Valuation practice area, focusing on market price forecasts and storage valuation. Andy joined E3 after completing a graduate degree studying public policy with a focus on data science and climate at Harvard University. His latest work experience is for the International Crisis Group where he helped them quantitatively understand the impact of climate change on conflict using data techniques. In addition to his graduate degree, Andy holds a B.A. in Economics and Global Studies from the University of California, Berkeley.

SALESFORCE, INC.   Washington, DC
Consultant (Graduate Capstone Project)   November 2022 – April 2023

- o Conducted interviews with state agents, digital experts and end-users on the digital experience of benefit services.
- o Analyzed data that detected efficiency and economic impacts of Salesforce modernization of benefit delivery systems.
- o Authored a 45-page report communicating findings and recommendations via visualizations and economic analysis.

HARVARD KENNEDY SCHOOL OF GOVERNMENT   Cambridge, MA
Graduate Student Researcher   January 2022 – May 2023

- o Constructed a machine learning model using XGBoost that predicted incidence of conflict using climate variables.
- o Constructed an AI-driven computer vision model to identify drought using satellite imagery in Kenya.
- o Led sections for data visualization, econometrics & machine learning tools to graduate and college students.
- o Worked with IMF staff to extract causal effects of exposure of the renminbi to international trade.

INTERNATIONAL CRISIS GROUP   New York, NY
Data Consultant   January 2022 – September 2022

- o Presented maps and visuals show the climate extremes in various conflict countries to UN officials.
- o Owned the data extraction and manipulating process for remote sensing data.
- o Presented data on climate extremes for country analysts for a variety of geographies like Mexico, Mekong and others.
- o Assisted in the construction of panel regression models to extract the impact of conflict on climate change.

JUSTANSWER LLC San Francisco, CA
Data Analyst March 2021 – August 2021

- o Gained ownership CRM-related data and platforms and built live Power BI dashboards to monitor marketing progress.
- o Synthesized large data using SQL and Google Analytics to explain the impact of marketing changes to executives.
- o Worked with engineers, UX designers and product managers to design and execute A/B tests to test our hypotheses.

CENTER FOR EFFECTIVE GLOBAL ACTION Berkeley, CA
Research Associate March 2021 – 2021

- o Analyzed and visualized survey data from an RCT from 3,000 households for over 150 variables using R & STATA
- o Presented the results and implications of the experiment to a non-technical audience at the World Bank

ARMED FORCES OF THE REPUBLIC OF CYPRUS Nicosia, CYPRUS
Sergeant (Mandatory Military Service) July 2015 – January 2017

- o Conducted daily analysis of 100 data points of adversary activity to inform strategic defense decisions.
- o Led 15 personnel on a military stronghold outpost on the line of ceasefire overseeing training and mission exercises.

Education

Harvard University, Kennedy School of Government Cambridge, MA
M.P.P., Data Science and Climate Change May 2023

University of California, Berkeley Berkeley, CA
B.A., Economics and Global Studies December 2020