Pedro de Vasconcellos Oporto

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ENERGY AND ENVIRONMENTAL ECONOMICS, INC.   Boston, MA
Associate

Pedro de Vasconcellos Oporto joined E3 in 2022 and will support E3's work in resource planning. Mr. Oporto came to E3 after earning a Master's in Technology and Policy from MIT. There his research focused on climate and energy, focusing on the role of investors. Before arriving at MIT, Mr. Oporto worked in data science. In addition to his M.S., Mr. Oporto earned a B.S. in Computer Science and Mechanical Engineering from Worcester Polytechnic Institute.

MIT SLOAN SUSTAINABILITY INITIATIVE   Cambridge, MA
Research Assistant   August 2020 – June 2022

- o   Investigated representative cases of investors taking action to mitigate climate change.
- o   Conducted semi-structured interviews with portfolio and investment managers in the US, Europe, and Asia.
- o   Examined evolution of net-zero commitments, financial disclosures, and sustainability reports.
- o   Evaluated the impact of investor actions toward net-zero portfolios on industry and building energy efficiency using system dynamics modeling.
- o   Led climate solutions workshops with retail and institutional investors using En-ROADS.

VOLORIDGE INVESTMENT MANAGEMENT   Jupiter, FL
Research Analyst Intern, Climate Strategies   June 2021 – August 2021

- o   Mapped scope 3 emissions for manufacturers of passenger and commercial vehicles by country based on sales, retirement rates, estimated driving behavior, and fuel consumption.
- o   Led data integration from government reports, investment banking, industry roadmaps, and retail sales analysis so that a similar process could be implemented for other industries.

TRACELINK   North Reading, MA
Software Engineering Intern   June 2020 – August 2020

- o   Programmed new suite of applications for pharmaceutical and supply chain customers.
- o   Built a notifications app for customers in varied preferred channels and security frameworks.
- o   Performed integration and unit tests to validate the app with production data and system architecture context.

SMASHFLY TECHNOLOGIES   Concord, MA
Data Engineering Intern   May 2018 – August 2019

- o   Designed cloud data storage system for documents to reduce infrastructure costs by over 80%.
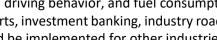- o   Implemented the software backend and data model of a customer-facing application.

- Modeled customer activity data using decision tree classifiers and timewise data augmentation.

Education

Massachusetts Institute of Technology   Cambridge, MA
M.S., Technology and Policy   May 2022

Worcester Polytechnic Institute   Worcester, MA
B.S., Computer Science and Mechanical Engineering   May 2020