

MAURICE DIESENDRUCK

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TECHNICAL SKILLS

Scripting: Python, JavaScript/Google Apps Script, SQL
Analysis: R, Python matplotlib/pylab/nltk, Google Sheets, Excel
Languages: Fluent English, Portuguese, Spanish — US, Brazil, EU citizen
Areas of Interest: Signal processing, classification, and source separation
Audio, Neural, Engineering sensor applications, Language modeling, Visual design

EDUCATION

University of Texas, Austin 2014 - Present

Ph.D Candidate in Statistics and Data Sciences
GPA 3.8/4.0, College of Natural Sciences Merit Award Fellow

University of California, Los Angeles 2006 - 2010

B.S. Mathematics/Economics, Cum Laude
GPA 3.7/4.0, Phi Beta Kappa, Alumni Scholar, Honors Program

University of Maastricht, Netherlands 2008

Specialization in International Economics, UC Semester Abroad

Ongoing Independent Study. Over 100 hours of coursework at Google, and via Stanford's online coursework, Codecademy, and Project Euler.

PROFESSIONAL

Google Jul 2012 - Jul 2014

Operations Specialist (promoted Dec 2013) Mountain View, CA
• Developed auto-routing system for ticketing queue, using text classification; used Python nltk + Google Prediction API to auto-route 50% of flow with 80% accuracy
• Automated admin tasks and built dashboards, using JavaScript and Google Apps
• Led tri-continental teams and project managed software feature implementations

Quid Apr 2011 - Jun 2012

Data Analyst (promoted Aug 2011) San Francisco, CA
• Led 69% reduction in workflow, focusing data acquisition on direct client needs
• Built web scraper of SEC website to rank and visualize investment documents

Environmental Resources Management Summer 2009, Summer 2010

Energy Analyst, Corporate Risk Analyst São Paulo BR, Cape Town ZA
• Built carbon footprint calculator for South Africa's largest utility company, Eskom
• Inventoried emissions for legal case involving operations of beer manufacturer

LEADERSHIP

Forum for Energy Economics and Development 2007 - 2010

Founder Los Angeles, CA
• Founded interdisciplinary study group focused on renewable energy technology
• Hosted lectures, designed and built Mylar parabolic solar stove, published two academic journals, and established ongoing Green Career Fair, with 400+ people

PUBLICATIONS

Forum for Energy Economics and Development

- Diesendruck, M. et al. (2008) Solar Energy Solutions. Forum for Energy Economics and Development.
- Diesendruck, M. et al. (2009) Battery Tech Solutions. Forum for Energy Economics and Development.