HEITOR CHANG

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PROFESSIONAL EXPERIENCE

PONTUAL EXPORT & IMPORT LTD., SÃO PAULO, SP

Full-Stack Developer

Jan. 2014 — now

- Use MA (Moving Average) indicators in a Django and Python project to predict the demand of 600 products and calculate an adequate amount for restocking.
- Create a REST API with the Slim micro framework (PHP) to be consumed by a React app that renders the company's website, http://pontualimportbrindes.com.br/
- Visualize historical sales with NumPy and Pandas, reporting averages and outliers for each product.
- Create a Single-Page App with AngularJS and Firebase to organize the reservations by client and salesperson in real time.

Administrative Assistant

Nov. 2011 — Dec. 2013

- Fulfill client orders and reservations and formalize them upon delivery.
- Prepare sales forecasts in Excel for the bestselling products and summarize important statistics.

MERRILL LYNCH & CO., INC., NEW YORK, NY

Summer Associate, Global Research

June 2008 — Aug. 2008

- Modeled the prepayment speeds of mortgage revenue bonds and calculated their prices and risk profiles.
- Backtested the performance of a cash-collaterized portfolio of futures as a potential new product.
- Compared the returns and volatility of crude oil futures relative to large-cap refinery equities.

EDUCATION

NEW YORK UNIVERSITY, NEW YORK, NY

Sept. 2007 — Jan. 2009

STANFORD UNIVERSITY, STANFORD, CA

M.S. in Materials Science and Engineering, GPA 3.6/4.0

Sept. 2005 — June 2007

B.S. in Mathematical and Computational Sciences, GPA 3.7/4.0

Sept. 2001 − June 2005

LANGUAGES

- Fluent in English and Portuguese. Intermediate knowledge of Mandarin, Spanish and French.
- Advanced knowledge of Python 3 and JavaScript (ES6).
- Intermediate knowledge of PHP 7 and Java 8.