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

M.S. in Mathematics in Finance, GPA 3.4/4.0   *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**.