BRUNO MACEDO PASINI

315 East 95th Street · New York · NY · 10128
646-709-2345 · bmpasini@nyu.edu · github.com/bmpasini

EDUCATION

NYU Tandon School of Engineering, Brooklyn, NY   **Dec/15**
M.S. Computer Engineering   *GPA 3.7*

Polytechnic School of the University of Sao Paulo, Sao Paulo, Brazil   **Dec/13**
B.S. Electrical Engineering   *top 10 %*

TECHNICAL SKILLS

- Fluent in Python, Java, JavaScript, Ruby and SQL
- Solid understanding of Data Structures and Algorithms
- Working knowledge of Node.js, Ruby On Rails and Hadoop
- Familiar with MongoDB, Elasticsearch and Matlab

LANGUAGE SKILLS

- Portuguese: Native language
- English: Full professional proficiency (ILR scale)
- Spanish: Full professional proficiency (ILR scale)
- Italian: Limited working proficiency (ILR scale)

PROFESSIONAL EXPERIENCE

NYU Tandon School of Engineering, Brooklyn, NY   **Jan/15 – Present**
Visualization and Data Analysis Laboratory Research Assistant
- Submitted a research article to the WWW workshop TempWeb'16: "Temporal Dynamics of Topics on the Web"
- Tuned a focused crawler written in Java to gather data for analyzing temporal dynamics of topics on the web using Hadoop
- Designed and implemented a web crawler in Python from scratch, used to gather data to train a machine learning classifier

Warren Invest, New York, NY   **Jan/15 – Aug/15**
Co-Owner and Software Engineer
- Designed and implemented a JSON RESTful API using Node.js and MongoDB, consumed by desktop and mobile platforms
- Handled the deployment process, maintained services working on AWS remote servers and implemented Backbone.js interfaces

NYU Tandon School of Engineering, Brooklyn, NY   **Jan/14 – May/14**
Power Electronics Laboratory Research Assistant
- Designed and implemented a PID control algorithm for a microcontroller chip, written in C
- Maintained a C and C# codebase of the Wireless Electric Vehicle Charging project

Procter & Gamble, Sao Paulo, Brazil   **Jan/13 – Dec/13**
Finance & Accounting Intern – Pampers Brand and Internal Controls
- Created Excel/VBA tool that tracked brands' spending vs. budget, which enabled Marketing teams meet budget requirements
- Conducted feasibility studies of new investments on the Pampers brand, assessing the team in achieving optimal ROI
- Created tool in Excel that monitored shelf prices of all Pampers' products, enabling the execution of the brand price strategy

XP Securities, Sao Paulo, SP, Brazil   **Jul/12 – Dec/12**
International Desk Intern
- Created Excel tool that priced derivatives and precisely accounted for all exchanges fees, designed for High-Frequency Traders
- Helped choose topics of daily morning calls and wrote weekly monitoring reports of market highlights
- Wrote material explaining Brazilian market peculiarities, focused towards American investors

INDEPENDENT PROJECTS

Web Development Projects, New York, NY   **Aug/14 – Dec/14**
Ruby On Rails / Sinatra Full-Stack Developer
- Social network platform for bands to publicize their shows and for fans to find good concerts – http://live-jive.herokuapp.com/
- Platform for people to find all bills sponsored by a congress person and also news about them – http://legistatus.herokuapp.com/
- Feedback platform for people in a group to organize and vote on their thoughts and opinions – http://feedbc.herokuapp.com/
- Web platform for sharing photos; A complete working replica of the popular website Imgur – http://imgur-jr.herokuapp.com/

ADDITIONAL TRAINING

Coursera, New York, NY   **Sep/15 – Oct/15**
Algorithms Part I & II, Princeton University; *Machine Learning*, Stanford University

Dev Bootcamp, New York, NY   **May/14 – Oct/14**
Full-Stack Web Development Training – Over 1000 hours learning and practicing Ruby on Rails and Javascript

London School of Economics, London, United Kingdom   **Jun/12 – Jul/12**
Options, Futures and Other Derivatives – One-month long intensive course covering all the fundamentals of Financial Derivatives

Polytechnic School of the University of Sao Paulo, Sao Paulo, Brazil   **Jul/11 – Jun/12**
Fundamentals of Business Administration – One-year long course covering fundamentals of Marketing, Finances and Soft Skills