Contact

www.linkedin.com/in/pybrunet
(LinkedIn)
www.barclays.com/ (Other)
www.igert.org/projects/8 (Other)
deepblue.lib.umich.edu/
bitstream/2027.42/78883/1/
brunetp_1.pdf (Other)

Top Skills

Operations Research

Mathematical Modeling

Industrial Engineering

Languages

French (Native or Bilingual)

Spanish (Limited Working)

English (Native or Bilingual)

Certifications

Engineer in Training

Certified ThoughtSpot Professional

Honors-Awards

Winner of Verizon Credo Award

Publications

Risk, Financing and The Optimal
Number of Suppliers

Trade Credit as an Option to Acquire
Financing

Pierre-Yves Brunet, PhD

Engineer with extensive experience in Analytics, Finance,
Telecommunications
New York City Metropolitan Area

Summary

Extensive experience in the design and launch of products
and services using predictive analytics and technology. Strong
track record in strategic planning, behavioral targeting, risk
management, data standardization, mathematical modeling,
algorithm development, and financial analysis. Agile thinker with
excellent communication and team building skills.

Key Skills:
– Strategic planning and new product development
– Predictive analytics and behavioral targeting
– Credit analysis and risk management
– Data standardization and metrics development
– Forecasting and financial modeling
– Staff management and team building

Computer Skills:
– AUTOCAD, AUTOMOD, C, MATHEMATICA, LATEX, MATLAB,
SAS, SQL, TABLEAU, UNIX, MICROSOFT OFFICE

Languages:
– Languages: English, French, Spanish (intermediate)

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Experience

Verizon
6 years 11 months

Disting. Member of Pred/Prescriptive Analysis, Corp. Finance – Bus.
Analytics Center of Excellence
May 2018 - Present (5 years)
Greater New York City Area

COMPANY DESCRIPTION

– Verizon is a global leader delivering innovative communications and

technology solutions that improve the way customers live, work and play

Principal, Wireless Finance – Predictive and Prescriptive Analytics
June 2016 - May 2018 (2 years)
Greater New York City Area

PRIMARY ACTIVITIES

– Conducted complex analyses to assess and challenge performance of Verizon Wireless business methodologies and strategies.

– Derived rich insights based on advanced analytics, to improve decision-making and formulate superior business strategies.

– Presented complex statistical concepts and research results to senior executives and non-statistical audiences.

– Obtained approval for projects that brought in USD 500+ million in incremental revenue.

– Partnered with internal colleagues to implement innovative strategies, improve customer experience, and increase profitability of the mature wireless portfolio

Barclays
5 years 4 months

Senior Lead Analyst, Barclaycard Europe – Strategic Analytics
January 2014 - June 2016 (2 years 6 months)
Greater New York City Area

COMPANY DESCRIPTION

– Barclays is a global financial services provider, engaged in retail and commercial banking, credit cards, investment banking, wealth management and investment management services all over the world.

PRIMARY ACTIVITIES

– Created and implemented new products, services, and marketing outreach activities to increase the size and profitability of growing Barclays' German loan portfolios while minimizing risk.

– Established and managed innovative behavioral targeting and credit analysis programs.

Lead Analyst, Barclaycard Europe – Credit Risk
March 2011 - January 2014 (2 years 11 months)
Greater New York City Area

University of Michigan
7 years 4 months

Graduate Student Researcher, Rackham Graduate School – Industrial & Operations Engineering

September 2003 - December 2010 (7 years 4 months)
Ann Arbor, Mi, U.S.A.

PRIMARY ACTIVITIES

– Leveraged tools in Computing, Economics, Finance, Financial Engineering, Mathematics, Operations Research, Optimization, and Risk Management to study relevant and complicated problems in Finance & Supply Chains.
• Created models, developed algorithms, provided managerial insights, and proposed policies to maximize value for end-customers, manufacturers, traditional lenders, and suppliers serving as providers of raw materials and as lenders
• Communicated insights through written documents (e.g., research papers, dissertation thesis) and verbal/visual presentations (e.g., dissertation oral defense, conferences)

Graduate Student Instructor, Rackham Graduate School – Industrial & Operations Engineering
September 2006 - April 2009 (2 years 8 months)
Ann Arbor, MI, U.S.A.

PRIMARY ACTIVITIES

– Instructed many Finance courses to approximately 100 senior undergraduate and graduate students, per semester. Organized review sessions. Interviewed, selected, trained, supervised and managed a team of graduate engineering graders to score exams, case studies and homework assignments.
• Corporate Finance: core course on corporate finance for actuarial and engineering students
• Derivative Instruments: core course on options, futures, and other derivative instruments for engineering students

National Science Foundation
STIET – NSF Graduate Student Fellow, Rackham Graduate School – Industrial & Operations Engineering
September 2004 - August 2006 (2 years)
Ann Arbor, MI, U.S.A.

PROGRAM DESCRIPTION

– STIET (Socio-Technical Infrastructure for Electronic Transactions) is a program for scholars interested in multidisciplinary study of the social and technical aspects of electronic transactions (including e-Commerce), bringing together, at the time of the fellowship, students and faculty from four University of Michigan schools and colleges: the School of Information, the Stephen M. Ross School of Business, the College of Engineering (Computer Science, and Industrial Operations), and the Department of Economics in the College of

Literature, Science & the Arts. Fellowships are funded by a grant from the U.S. National Science Foundation, with additional support from the Office of the Vice President for Research at the University of Michigan.

PRIMARY ACTIVITIES

– Studied the social and technical aspects of electronic transactions (including e-Commerce) through the 2-year multidisciplinary fellowship program and then incorporating the acquired knowledge in my research.

American Express
Business Analytics Manager, Risk Information Banking (RIB)
June 2004 - August 2004 (3 months)
New York, NY, U.S.A.

COMPANY DESCRIPTION

– American Express is a worldwide provider of travel, financial planning, and international banking services

PRIMARY ACTIVITIES

– Analyzed new business opportunities for Marketing, Technology, Finance, and Operations.
• Built SAS program to assess clients' purchasing characteristics and to cluster the portfolio by spend segments
• Forecasted portfolio performance of each segment and recommended strategic initiatives

Alcoa
Ergonomics Consultant, Howmet Castings
June 2002 - August 2002 (3 months)
La Porte, IN, U.S.A.

COMPANY DESCRIPTION

– Howmet Castings (an ALCOA business) is a world leader in the investment casting of superalloys and titanium primarily for jet aircraft and industrial gas turbine (IGT) engine components.

PRIMARY ACTIVITIES

– Analyzed work process and workflow.
– Conducted surveys, interviewed workers to understand work requirements, and identified risks that existed in performing work-related activities.

DACK Consulting Solutions, Inc

Construction Consultant, Logistics
May 2001 - August 2001 (4 months)
Greater New York City Area

COMPANY DESCRIPTION

– DACK Consulting is composed of a group of professionals who understand and appreciate the complexity and details of the construction process. The solid background of the professionals in the design and construction industries enables DACK Consulting to service clients from the planning phase until post occupancy. Proven construction schedules, accurate estimates, and network of professionals ensure that every project is a success.

PRIMARY ACTIVITIES

– Engineering Economics

– Marketing

– Project Management

Macy's
Sales Associate, Men's Department
June 2000 - August 2000 (3 months)
Miami/Fort Lauderdale Area

COMPANY DESCRIPTION

– Macy's is a mid-range chain of department stores owned by American multinational corporation Macy's, Inc. It is one of two divisions owned by the company, with the other being the upscale Bloomingdale's. Macy's is known for its niche in popular culture and the diversity of its merchandise.

PRIMARY ACTIVITIES

– Responsible for stocking racks and shelves, maintaining a presentable sales environment, greeting store patrons, assisting customers, providing product knowledge, directing customers to fitting rooms, and completing transactions on the cash register (e.g. proposing cross-sell products to customers, processing payments, applying coupons and promotional codes, issuing receipts, and bagging items upon the conclusion of transactions)

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Education

University of Michigan
Doctor of Philosophy (Ph.D.), Industrial and Operations
Engineering · (2003 - 2010)

University of Michigan

Masters of Science in Engineering (M.S.E.), Industrial and Operations
Engineering · (2003 - 2005)

Purdue University

Bachelor of Science (B.S.), Industrial Engineering · (1999 - 2003)