

JEFF MCCARTHY

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Product Development Professional with a significant record of achievement in the areas of Paper Development, Print Performance, Management and Planning. Combines advanced technical knowledge, excellent team skills and entrepreneurship to develop products and services for international markets.

PROFESSIONAL BACKGROUND

CRW REGULATORY SERVICES INC.

2005

Technical Writer – Proofreading of Crop Residue Study reports

(contract work)

CREO INC. – VANCOUVER, BC

2002-2004

A world leader in the prepress and graphic arts industry.

Research Chemist

Responsible for leadership of the Inkjet Media Team and development of new media; supporting the Inkjet Consumables business segment which had revenues of approximately \$40M.

- Achieved significant cost savings by building a media team and lab facilities in Vancouver, replacing the Boston operation.
- Completed move to Agile PDM (Product Data Management) system from legacy paper files in support of new NPD (New Product Development) system.
- Managed basepaper changes and coating site transfers affecting >90% of media sales, minimizing the costs of transfer while ensuring changes were transparent to the end-user thereby maintaining the client base.
- Transformed QA process to put the onus on suppliers instead of internal testing, allowing for a headcount reduction and eliminating costs related to samples and shipment.
- Launched 10 new medias, including 3 medias developed over a tight 6 month timeline prior to a major tradeshow.

PRINT SCIENCE GROUP INC. – VANCOUVER, BC

1998-2002

Print Science was an independent laboratory that provided paper and printability testing.

President

Business Lead and Principal Scientist, worked with 3 technicians to provide contract research services including paper testing, product development, print performance and papermachine analysis. Client list included approximately 45 companies in the paper and print industries.

- Authored the business plan, which was used to recruit team and arrange \$400K financing, (\$50K private; \$150K bank loan; \$200K equipment vendor financing).
- Built 4000 sq.ft. facility (offices, warehouse, CTH lab) in 4 months on budget of \$120K.
- Achieved first year sales of \$390K, approximately 90% of plan target.

Jeff McCarthy

- Completed independent report "North American Newsprint Evaluation, February 2001", including evaluation of physical, optical and printability characteristics. This report was sold to papermaking clients in support of their technical marketing efforts. Created revenue of \$35K, augmenting revenues from customer-driven work.

MACMILLAN BLOEDEL RESEARCH – VANCOUVER, BC

1991-1998

One of Canada's largest integrated forest companies, with revenues of \$5B, until its breakup in 1998.

Research Chemist

Started in Applied Chemistry, assumed supervisor role in microscopy and print labs, amalgamating service functions in the 3 labs to better support product development in a more timely manner.

- Developed and performed test methods to monitor and eliminate workplace exposure to engineered wood products resins (phenol formaldehyde, isocyanates).
- Coordinated and analyzed pressroom trials.
- Implemented \$90K digital imaging and database system for microscopy, and resolved lab-client conflicts resulting in >30% increase in microscopy lab productivity.
- Planned and completed print work and Proscale ranking in joint papermaker, ink manufacturer, & pressroom effort that resulted in a significant reduction in print showthrough for directory papers.
- Developed and conducted chemical/microscopic/image analysis test methods in support of \$200M conversion of newsprint machine to Lightweight Coated (LWC).

EDUCATION

Ph.D. – Analytical Chemistry, MCGILL UNIVERSITY, Montreal.

B.Sc. – Analytical Chemistry (Minor Comp. Sci.), CONCORDIA UNIVERSITY, Montreal.

Certificate – Management Skills in Advanced Technology, SIMON FRASER UNIVERSITY, Burnaby.

PROFESSIONAL MEMBERSHIPS

Society for Imaging Science and Technology (IS&T)

Technical Association of the Pulp and Paper Industry (TAPPI)

Pulp and Paper Technical Association of Canada (PAPTAC)

Active in the Printing and Graphic Arts Committee

Co-Editor of "Glossary of Printing, Reprography and Papermaking Terms" 3rd Edition, 2005.

KEYWORDS

- Bachelor of Science, BSc, Doctor of Philosophy, PhD.
- Inkjet, xerography, reprography, toner, offset lithography, flexography, gravure, intaglio printing, drop on demand, DoD, continuous inkjet, CIJ.
- Design of experiments, DOE, statistical process control, SPC, quality control, QC, quality assurance, QA, design for six sigma, DFSS, engineering change order, ECO, engineering change control, ECC, new product development, NPD, Agile product data management, PDM.
- Word, Excel, Access, PowerPoint, Outlook, Maximizer, customer relation management, CRM, PCDocs document management, JMP, SAS, statistical analysis, ImagePro, image analysis, Photoshop, Acrobat.
- Optical physical surface properties of paper, papermachine analysis, Tapio PMA, vibration analysis, color models, color theory, color difference methods.