



**Pantone, Inc.**

Carlstadt, NJ

May 2003 – December 2004

*Color Analyst*

- \* Responsible for both visual and computer-assisted color matching of printed colors
- \* Built look-up tables for various printer types of all major printer manufacturers
- \* Performed various analyses, including colorimetric and consistency tests, of laser and inkjet printers and report back to their manufacturers with my findings
- \* Performed dot image analysis of inkjet and laser printers
- \* Visual and colorimetric analysis of various materials, including vinyl, screen printing, & paint
- \* Used my decision-making skills for various tasks, including pass/fail judgments of color

**Hewlett Packard Company**

Vancouver, WA

June 2001- August 2001 (internship)

*Image Scientist*

- \* Worked for Image Science Team that was responsible for psychophysical analysis of images
- \* Redesigned sections of internal website and image database
- \* Assisted in researching and completing a transformation of Pointer’s real surface colors from Illuminant C to D65
- \* Analyzed a large set of images to find out what image characteristics are printed by the general public

**Key Systems, Inc.**

Victor, NY

March 2000- November 2000 (part-time); November 1998- March 1999 (co-op)

*Web Designer, Photographer, Literature Designer*

- \* Part-time: Dreamweaver software aided in my design, layout, and management of the company web site; Set up shopping cart system on web site; Designed graphics for web site using Photoshop software
- \* Co-op: Photographed company products using various camera formats; scanned and edited images for use in company literature; Quark Express helped my production of company literature, Adobe Pagemill was utilized to edit company web page

**Computer Skills**

- \* Proficient with PC, Macintosh, and Unix computers
- \* MATLAB, SciLab, and IDL languages

Relevant Software

- \* *Expertise In:* Microsoft Office (especially Word, Excel, Outlook, PowerPoint), Macromedia Dreamweaver, Adobe Photoshop
- \* *Familiar With:* Minitab, Systat, SAS Statistical Software, Quark Express, Adobe Illustrator
- \* *Color Software:* color measurement software, including GretagMacbeth, X-Rite, and Datacolor; GretagMacbeth Net Profiler; Profiling software, including Monaco Profiler, GretagMacbeth Profile Maker, and GretagMacbeth Eye-One Match; Various profile/gamut viewing tools, including ColorSync, ICC Profile Inspector, Monaco GamutWorks, and Colorshop X

**Special Skills**

- |  |   |
|--|---|
| * Spectrophotometers                     | * Halftone analyzer/dot meter                                     |
| * Colorimeters                           | * Light meters  |
| * Densitometers                          | * Photographic printing   |
| * Radiometers                            | * Perfect color vision (Ishihara Test)                            |
| * Gloss meters                           | * Superior Color Discrimination (Farnsworth-Munsell 100-Hue Test) |
| * Light booths/light sources/illuminants |   |

### Related Courses

- |                              |                                  |  |
|------------------------------|----------------------------------|--|
| * Applied Colorimetry        | * Color Science Seminar          | * Regression Analysis I                          |
| * Color Measurement Lab I,II | * Color Perception & Measurement | * Multivariate Statistics for Imaging Scientists |
| * Color Appearance           | * College Physics I, II, & III   | * Graphic Reproduction Theory                    |
| * Tone & Color Reproduction  | * Photographic Optics            | * Ink, Color & Substrates                        |
| * Color Print/Theory         | * Matrix Algebra                 | * Computing for Imaging Scientists               |
| * Color Measurement          | * Psychology of Perception       |  |
| * Color Modeling             | * Vision & Psychophysics         |  |

### Other Training

- \* Color Without Limits Complete Color Management Seminar given by the Graphic Intelligence Agency (a GretagMacbeth Company)

### Publications

1. EA Day, LA Taplin, RS Berns, *Colorimetric Characterization of a Computer-Controlled Liquid Crystal Display*, Color Research & Application, 29, 365-373, 2004.
2. EA Day, RS Berns, LA Taplin, and FH Imai, *A Psychophysical Experiment Evaluating the Color and Spatial-Image Quality of Several Multi-Spectral Image Capture Techniques*, Journal of Imaging Science & Technology; Journal of Imaging Science & Technology, 44, 93-104 2004.
3. EA Day, *The Effects of Multi-channel Visible Spectrum Imaging on Perceived Spatial Image Quality and Color Reproduction Accuracy*, M.S. Thesis, R.I.T., Rochester, NY, 2003.
4. EA Day & BL Grady, *The Effects of Various Substrates on Predicted Printer Output*, Destinations, 2003 RIT TAGA Student Chapter, 19-33, 2003.
5. EA Day, RS Berns, LA Taplin, and FH Imai, *A Psychophysical Experiment Evaluating the Color Accuracy of Several Multispectral Image Capture Techniques*, Proc. of IS&T PICS Conference, IS&T, Springfield, VA, 199-204, 2003.
6. FH Imai, LA Taplin, EA Day, *Comparative study of spectral reflectance estimation based on broad-band imaging systems*, MCSL Technical Report, 2003.
7. RS Berns, LA Taplin, FH Imai, EA Day, and DC Day, *Spectral Imaging of Matisse's Pot of Geraniums: A Case Study*, Proc. of IS&T/SIDS 11<sup>th</sup> Color Imaging Conference, IS&T, Springfield, VA, 149-153, 2003.
8. EA Day, *Colorimetric Characterization of a Computer-Controlled (SGI) CRT Display*, MCSL Technical Report, 2002.
9. EA Day & BL Grady, *Survey of Several Popular Halftoning Algorithms*, Doqchi, 2002 RIT TAGA Student Chapter, 89-105, 2002.
10. EA Day, FH Imai, LA Taplin, SX Quan, *Characterization of a Roper Scientific Quantix Monochrome Camera*, MCSL Technical Report, 2002.
11. FH Imai, LA Taplin, EA Day, *Comparison of the Accuracy of Various Transformations from Multi-band Images to Reflectance Spectra: As part of an as part of an end-to-end color reproduction from scene to reproduction using spectral imaging*, MCSL Technical Report, 2002.
12. FH Imai, LA Taplin, EA Day, and RS Berns, *Imaging at the National Gallery of Art, Washington, D.C., as part of an end-to-end color reproduction from scene to reproduction using MVSI*, MCSL Technical Report, 2002.