



## Ryan O'Beirne

Idealliance Certified G7 Expert  
Raleigh/Durham, NC

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**Research Engineer with nearly 20 years of experience in wide-format digital printing.**

### Education

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**The University of Phoenix:** 2010  
Master of Business Administration

**The University of Tennessee, Knoxville:** 2006  
Bachelor of Fine Arts in Media Arts

### Experience

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**R&D Engineer,** Spoonflower/Shutterfly  
Durham, NC: *August 2015 - Present*

- *Research* wide-format inkjet printing technologies including pigment, dye sublimation, latex printers/presses, and digital cutters (CNC) for custom print-on-demand products including textiles, home-decor, and wallpaper.
- *Develop* digital print/cut manufacturing processes and imaging workflows for custom products and create technical documentation for those processes.
- *Color Management:* Develop ICC profiles, linearizations, and G7 calibrations for production print devices and establish novel color conformance protocols for direct-to-fabric print platforms.
- *Systems Administrator:* Manage RIP servers and maintain environments for digital print workflows.
- *Software Engineer:* Develop software to manage production imaging workflows and automate image processing in diverse tech stacks including Rust, Typescript, Ruby, AWS/S3/SQS, Docker, Bash, and more.

**Print Manager,** Godfrey Group  
Durham, NC: *March 2010 - August 2015*

- *Production Management:* Coordinate the print production of trade show and display graphics
- *Color Management:* Develop calibration and ICC profiling strategies using various spectrophotometers and color management software.
- *Wide-Format Inkjet Technician:* Develop maintenance routines for the latest in inkjet technologies in order to reduce material waste and prevent equipment downtime. Make repairs if necessary.
- *Research & Development:* Explore new print technology and media options in order to develop innovative and profitable trade show and display solutions.
- *Graphic Designer:* Design wide-format graphics for trade shows and marketing environments.
- *Preflight Technician:* Check incoming artwork from clients and agencies for production readiness and make adjustments to maximize graphics production quality.

**Project Manager and Trade Show Display Designer,** Zig Zibit Exhibit Design  
Raleigh, NC: *September 2006—November 2007*

- *Design Engineer:* Create custom trade show exhibits using CAD software from ideational models to detailed construction drawings and set-up plans.
- *Project Manager:* Organize client designs and delegate responsibility to other design staff.
- *Estimator:* Assemble detailed estimates and quotes for design, materials, and labor.
- *Graphic Designer:* Develop and present marketing strategies while designing trade show graphics using Adobe Creative Suite and other CAD software.
- *Buyer:* Manage supplier relationships and purchase graphics supplies, and materials.