

# Ryan N. Shaw

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## PROFESSIONAL EXPERIENCE

### CPI Card Group | Littleton, CO

**November 2018 – Present**

#### *Quality Lead*

- Implemented reporting for Estimated vs. Actual Cost of Scrap, Estimated vs. Actual Material Cost, YTD Material Usage tracking for Supply Chain, YTD Scrap Tracking, and other scrap analysis models
- Assisted in the identification, development, and evolution of Key Performance Indicators to support corporate initiatives
- Developed work instructions for Operations and Quality Assurance to improve processes for die maintenance and management, resonance frequency, MPR changeover, Mühlbauer (automated inspection equipment) data collection and database reset
- Scheduled, hosted, and lead meetings for Root Cause Analysis and Corrective Action for various production issues
- Collaborated with software engineers to collect data and create processes for data analysis via Mühlbauer
- Interviewed, hired, and onboarded personnel for Data Collection and Quality Assurance
- Completed Six Sigma Root Cause Analysis process training course

### Wagner Equipment Co. | Aurora, CO

**September 2016 – October 2018**

#### *Lead Laboratory Technician*

- Developed and executed presentations for potential customers across various US regions to generate new business from \$100K to \$2.5M contracts into the fluid analytics laboratory
- Served as QA/QC lead and conducted self-assessment of activities for compliance with current and revised versions of Quality Manuals and Standard Operational Procedures (SOPs)
- Trained laboratory personnel for new-hires and ongoing process improvement
- Directed visitors through facility tours while explaining the multiple functions of the office and laboratory processes and how they jointly produce optimal results for our customers
- Implemented and set up instrumentation for mass spectroscopy elemental analysis for aqueous solutions (coolant analysis)

#### *Laboratory Technician*

- Demonstrated acumen in organic and analytical chemistry, lab-testing protocols and experiment design through the setup and execution of numerous laboratory testing and experiments on various fluid samples
- Rotated weekly between ICP-Optima 7300V and Avio 500 mass spectroscopy, Infrared Spectroscopy, Gas Chromatography Analysis, ISL Houillon Viscometer, and Particle Count stations, operating and calibrating all equipment daily
- Performed data entry, customer account set-up, interpreted results, and directly communicated results to the customer in an office setting
- Developed and implemented new procedure standards, one of which was to document issues and resolutions for all laboratory processes to create more seamless maintenance of equipment to save time and money

### Peterson CAT | Eugene, OR

**November 2015 – August 2016**

#### *Fluid Analysis Laboratory Technician*

- Prepared samples and set up instrumentation for daily analysis runs
- Performed physical exams such as fuel dilution, filtering samples, TBN, TAN, Glycol, and coolant analysis
- Cleaned, maintained, calibrated and operated all laboratory equipment (ICP-Optima 7300V, ISL Houillon Viscometer, Infrared spectrometer)
- Provided weekly inventory counts of all laboratory supplies

- Ensured sample integrity by tracking, preparing, and testing samples in accordance with regulation standards and procedures

**Thermo Fisher Scientific | Grand Island, NY**

**January 2015 – September 2015**

*Manufacturing Technician*

- Maintained quality records in compliance with regulatory requirements, GMPs and standard operating procedures
- Performed assembly and both pre/post testing of filters and other components used in product filtration
- Calibrated and operated semi-automated and automated manufacturing equipment
- Experience in aseptic gowning procedures to perform operations within sterile environments
- Facilitated daily 5S audits to ensure department expectations were met

**R. Shaw Mechanicals | Tully, NY**

**May 2012 – August 2014**

*Apprentice Plumber*

- Executed all aspects of light commercial and residential plumbing
- Assembled, installed and repaired pipes, fittings, and fixtures of heating, water and drainage systems
- Performed all assembly, installation and repairs according to specifications and plumbing code

**International Service Learning | Dominican Republic & Haiti**

**January 2012**

*Pre-Med Team Member*

- Participated in a Pre-Med medical mission trip to the Dominican Republic & Haiti
- Worked with doctors and patients, assisted with diagnoses and treatment recommendations
- Gained the ability to maintain focus and work under extreme pressure
- Enhanced my social skills by communicating with individuals through a language barrier

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**EDUCATION**

**UNIVERSITY AT BUFFALO, State University of New York**

Degree: Bachelor of Science, Biology

Graduation: June 2015

**Teaching Assistant, University at Buffalo**

Course: Comparative Primate Anatomy

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**TECHNICAL SKILLS & TRAINING**

- Instruments & Methodologies: ICP-MS, FTIR Spectrometers, pH Meters, Chromatography Systems, Conductivity Meters, Acid-Base Titrations, Spectrometers, Spectrophotometers, Viscometer, Coulometric & Volumetric Titration Methods
- Laboratory Information Management Systems (LIMS)
- Proficient in Microsoft Office Suite applications (Word, Excel, PowerPoint)
- Working knowledge of statistical programming such as R and Minitab
- Recent trainings include Six Sigma Root Cause Analysis, 5S Methodology, Perkin-Elmer Advanced ICP Spectrometer, FTIR Spectrometer, Gas Chromatograph training course.

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**PERSONAL QUALIFICATIONS**

- Process and project management
- Excellent written and verbal communication skills
- A track record of high achievement in a competitive environment, both academic and professional
- Highly organized and strong attention to detail with the ability to handle multiple projects at once
- Ability to work efficiently independently as well as in teams; Experience working in cross-functional teams