

# KAYLA D. JOHNSON

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## EDUCATION

**University of Connecticut**, Storrs, CT  
Bachelor of Science, Mechanical Engineering

May 2013

## WORK EXPERIENCE

**Pratt & Whitney Mikro Systems**, Charlottesville, VA

March 2020- present

*Manufacturing and Industrial Engineering Manager*

- Currently leading a team of 8 engineers and engineering technicians
- Process owner creating and supporting ceramic material related manufacturing processes
- Supports process and yield improvements on anti-scatter grids
- Mentoring a team of 3 six sigma green belt candidates as six sigma black belt candidate
- Oversees \$1M in equipment procurement for pilot line ceramic core manufacturing development

*Manufacturing Engineer*

- Process owner creating and supporting ceramic material related manufacturing processes
- Co-led process failure and effects analysis event to support manufacturing readiness level activity
- Oversaw \$5M in equipment procurement to support pilot line ceramic core manufacturing development

**Mikro Systems**, Charlottesville, VA

August 2014 – March 2020

*Quality Engineer*

- Worked with project managers to establish acceptance/rejection criteria for cores and wax patterns
- Participated in ISO9001 internal audit for Anti-Scatter Grids
- Managed the calibration organization for cores
- Worked with design engineers and technicians to improve manual measurement equipment

*Jr. Quality Engineer*

- Worked with engineering and production to determine the causes of nonconforming processes
- Trained technicians on dimensional and visual inspection
- Created and maintained inspection plans for all production projects
- Assisted in determining the best measurement device for precise measurement of key quality characteristics

*Quality Technician*

- Conducted visual and dimensional checks on ceramic and wax parts
- Assisted in the organization of the calibration or measurement devices

*Casting Technician*

- Created the chemical compounds needed for castings
- Assisted fellow technicians in casting cores
- Tested cores to determine modulus of rupture and deflection
- Worked with project engineers and consultants to develop standards for material recipes
- Trained new technicians on casting process, from creating compounds to cast and de-casting

## CERTIFICATION

P&W Six Sigma Green Belt Certification

February 2021

## VOLUNTEERING

**Gussie Wortham Foundation**

November 2017- Present

*Board Member*

**Charlottesville-Albemarle SPCA**

May 2025-Present

*Board Member*