

## CAROLINE MURPHY

### EDUCATION

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2015-2017      Missouri University of Science and Technology      Rolla, MO  
*Masters of Science – Mechanical Engineering, May 2017*

- GPA: 4.0/4.0

2011-2015      Missouri University of Science and Technology      Rolla, MO  
*Bachelors of Science – Ceramic Engineering with minors in Biological Sciences and History, May 2015*

- GPA: 3.65/4.0

### WORK EXPERIENCE

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July 2016 – current, July 2015 – December 2015      Rolla, MO  
*Graduate Research Assistant*

- Develop printing process for cellularized 3D printing
- Grow and passage mesenchymal stem cells
- Image cells (fluorescent and brightfield microscopy)

January 2016 – May 2016      Rolla, MO  
*Graduate Teaching Assistant, Mechanical Engineering Senior Design*

- Assist students with concept design and prototyping
- Grade reports and presentations

Summer 2014      Kennametal      Rogers, AR  
*Intern*

- Classify new WC powders according to current company standards
- Prepare and test samples

Summer 2013      Vesuvius      Pittsburgh, PA  
*Intern*

- Prepare and image SEM samples
- Study glaze melting
- Study properties of common refractories

January – May 2013      Missouri University of Science and Technology      Rolla, MO  
*Research Assistant*

- Tape Casting polymers with bioactive glass additives
- Batch and melt glass
- Make glass fibers and scaffolds

## SKILLS

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- Microsoft Office
- NX 9.0 and Solidworks
- MATLAB
- SAS