

# G. CHRIS DOKOS

1442 E. 18<sup>th</sup> Ave. #18, Eugene, OR, 97403 | (801) 548-0248 | gcdokos@me.com

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## Summary of Qualifications

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Experienced engineer with a proven record of implementing quality tools to improve research and development processes. My engineering forte is utilizing Lean and Six Sigma principles to reduce process lead time, drive cost reduction, and improve measurement systems. My solutions improved lead time by 50%, reduced cost 30%, and tackled the risk associated with subjective inspection systems.

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## Professional Experience

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### PROCESS ENGINEER II

May 2016 - Present

*Ceramatec, Salt Lake City, Utah*

- Championed process improvement efforts to de-risk critical visual inspection processes utilizing kappa analysis during a measurement system analysis Kaizen event.
- Created and maintained a system to control production routings, in-process inspection, and quality data collection.
- Utilized capability analysis and control charts in Minitab to advise tooling and product design.
- Developed manufacturing process instructions and procedures amenable to technology transfer to large scale manufacturing partners.
- Drive continuous improvement efforts throughout the facility.

### PROCESS ENGINEER I

May 2014 – May 2016

*Ceramatec, Salt Lake City, Utah*

- Reduced process lead time by 50% and improved rolled throughput yield as member of a six-month Lean Six Sigma Black Belt project.
- Planned, launched, and led a Green Belt Project teams of five to perform an extensive 5S of shared factory space using Operational Excellence (Six Sigma, LEAN, TOC) tools.
- Qualified and commissioned existing process equipment to increase process throughput without necessitating capital expenditure.
- Gained basic 3D CAD experience in Solidworks

### RESEARCH AND DEVELOPMENT CO-OP

October 2012 – May 2014

*Ceramatec, Salt Lake City, Utah*

- Supported process engineering and research teams with new process development

### UNDERGRADUTE PROJECTS

*Capstone Design Project*

- Awarded “*Most Innovative Design*” for developing a video monitoring device to noninvasively measure neonatal activity and respiratory rates using reflective markers affixed to clothing or diapers. This work was structured under the FDA Quality System Regulations (21 CFR 820) to guide development, prepare a design history file, and conduct design reviews.

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## Education

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### BACHELOR OF SCIENCE

Completed May 2013

*Biomedical Engineering w/ Material Science Track Emphasis*

- University of Utah, Salt Lake City, Utah  
Relevant course work: *Material characterization, biomaterials, computational methods (MATLAB), electrical properties of solids, organic chemistry, biochemistry, biophysics, biomechanics, medical device design.*

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## Certifications

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- Lean Six Sigma Green Belt - CoorsTek Operational Excellence