

# Jonathan Bitter

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## Experience

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### OsteoCentric Technologies

*Project Lead Engineer (Aug 2018 – Current)*

- Lead R&D projects, including cross-functional coordination of quality, manufacturing, marketing, and development resources
- Developed implants and instrumentation for two novel implant systems
- DFM efforts with new suppliers on challenging product features
- Lead surgeon design meetings, surgical prototype labs, and product training
- Represented company at trade shows, supplier meetings, surgeon interactions, and business development meetings

### DePuy-Synthes – J&J Medical Devices

*Sr. Project Engineer (Feb 2018 – Aug 2018)*

- Managed a team of five engineers in a corporate-level revalidation project to identify and eliminate technical gaps in regulatory submissions to Chinese FDA.
- Primary engineering resource for customer-facing activities in hip replacement products (cadaver labs, sales training, marketing presentations).

*Project Engineer (2015 – 2018)*

- Hip and shoulder product SME
- Improved product manufacturability with Chinese and Indian manufacturing teams
- Managed, recruited, and mentored co-op students for the product development group

*Engineer I (2013 – 2015)*

- Redesigns, complaints, NCs, risk management, post market surveillance, CAPAs

### Baylor University

*Graduate Research Assistant (2011 – 2013)*

- Thesis defense: computational modeling of the glenohumeral joint and the mechanical advantages of a reverse-shoulder reconstruction

### Westinghouse: Western Zirconium

*Intern Engineer, (2011)*

- Designed, prototyped, and validated automated inspection/control of raw material

### Friction Stir Research Lab, Brigham Young University

*Undergraduate Research Assistant (2009 – 2010)*

- Designed and fabricated a torque-calibration system for friction-stir welding machines

## Education

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### Baylor University – Waco, TX

*Master of Science in Biomedical Engineering, May 2013*

### Brigham Young University – Provo, UT

*Bachelor of Science in Mechanical Engineering, April 2011*

## Certifications

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- Fundamentals of Project Planning and Management – UVA Darden School of Business May 2021

- GD&T Certification – Bridgerland College, Dec 2019
- Design Excellence Black Belt – J&J Supply Chain Academy, Oct 2017

### **Skills**

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- Excellent communication skills
- Proven leader
- Proven problem solver
- Product design, DOE, design validation
- Design for manufacturing
- Design control and risk management of class II and III medical devices
- SOLIDWORKS
- GD&T and tolerance analysis
- Comparative Finite Element Analysis for rapid design iteration
- Fluent in Spanish (oral and written, non-technical)

### **Activities**

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- Boy Scouts of America - Eagle Scout Award (2004), Order of the Arrow (2002)
- Various volunteer ecclesiastical leadership positions (2008-Current)