

Luke A. J. Cole

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Education

California Polytechnic State University
B.S. Biomedical Engineering

San Luis Obispo, CA
Graduated June 2015

Employment

D&K Engineering: *Electromechanical Technician 2* February 2016 – October 2017

- Assembled, Repaired, and Diagnosed complex electromechanical devices
- Analyzed production data to reduce waste and improve yield
- Updated and created production documents to maintain compliance for a dynamic process
- Built test fixtures and designed tests
- Worked with the customer to address issues with the device software and operating system

D&K Engineering: *Manufacturing Engineer* October 2017 – June 2020

- Developed end-to-end production processes for the assembly and test of medical and commercial devices
- Used Lean and 6 Sigma methods to improve internal processes such as tool control, receiving inspection, and material purchasing
- Worked closely with design engineers to iterate and improve designs by leveraging production data
- Implemented an issue tracking and reporting tool.

D&K Engineering: *MES Systems Analyst* June 2020 – Present

- Evaluated MES software solutions and evaluated them against a clear set of requirements
- As the SME of D&K internal processes, I led the initial implementation team through a series of training and process mapping sprints
- During MES deployment I served as the MES implementation owner, mapping the complete MES interaction with the other systems at D&K and laying out the roadmap for full scale deployment

Relevant Skills

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|----------------------|------------------------------|------------------------|
| • Lean 6σ Green Belt | • Matlab | • 3D Modeling |
| • JIRA | • C/C++ | • 3D Printing |
| • Visual Basic | • Full Stack Web Development | • Process Improvement |
| • SQL | • Mfg. Process Simulation | • Design of Experiment |
| • Python | • Technical Writing | • Project Management |