

Marc Micatka

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Experience

Industrial Engineer II

Boeing

April 2019 - September 2019

Everett, Washington

- Contract industrial engineer for Boeing working on large scale manufacturing optimizations.
- Analyzed build plans for airplane fuselages to optimize job scheduling.
- Collected and analyzed job performance data to identify and improve assembly processes.

Manufacturing Engineer II

Boston Scientific

January 2015 - December 2017

Maple Grove, Minnesota

- Developed machine vision inspection system for high-volume production lines, saved \$1 million in scrap and labor waste.
- Programmed Excel VBA tools to automate daily run charting and meetings. Saved several hours of engineering labor per day in routine lookups and rote spreadsheet work.
- Used Solidworks and 3D printers to rapidly deploy fixtures to production area.
- Led activities to support continuous improvement through Lean and Kaizen events.

Mechanical Design Intern

Bose Corporation - Electroforce Division

May 2014 - September 2014

Eden Prairie, Minnesota

- Worked on high-frequency test equipment performing dynamic mechanical analysis and fatigue testing.
- Prototyped vision system to allow real-time stress analysis for feedback control.
- Automated IQ/OQ protocol of equipment using MATLAB, reduced technician labor time from one day to an hour.

Education

Master of Science - Computer Science

Georgia Institute of Technology

January 2019 - Expected June 2021

Online

Bachelor of Mechanical Engineering

University of Minnesota - Twin Cities

September 2011 - December 2014

Minneapolis, Minnesota

Extracurriculars

Adult ESL and Computer Literacy Teacher

Minnesota Literacy Council

September 2016 - December 2017

Minneapolis, Minnesota

- Wrote lesson plans to improve English language fluency.
- Taught English lessons to adult ESL students.

Eagle Scout

Boy Scouts of America

August 2004 - Present

Columbia, Missouri

- Planned community service activities including a 120 hour Eagle service project for Boys & Girls Town of Missouri.