Marc Micatka

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Experience

**Industrial Engineer II** April 2019 - September 2019

Boeing 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** January 2015 - December 2017

Boston Scientific 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** May 2014 - September 2014

Bose Corporation - Electroforce Division 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** January 2019 - Expected June 2021

Georgia Institute of Technology Online

**Bachelor of Mechanical Engineering** September 2011 - December 2014

University of Minnesota - Twin Cities Minneapolis, Minnesota

Extracurriculars

**Adult ESL and Computer Literacy Teacher** September 2016 - December 2017

Minnesota Literacy Council Minneapolis, Minnesota

• Wrote lesson plans to improve English language fluency.

• Taught English lessons to adult ESL students.

**Eagle Scout** August 2004 - Present

Boy Scouts of America Columbia, Missouri

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