

CHUCK A. MARLOW
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GitHub: github.com/Marlowchu

EDUCATION

Bachelor of Science in Electronic Engineering Technology (ABET) 2015
Central Washington University, Des Moines, WA

Bachelor of Science in Industrial Technology 2011
Central Washington University, Ellensburg, WA

CERTIFICATES

Full Stack Coding Boot Camp (April 2022)
Georgia Tech, Atlanta, GA

Skills

HTML, CSS, Java, C#, JavaScript, jQuery, Bootstrap, React.js, Express.js, Node.js, MongoDB, MySQL, Command Line, Git, Agile Methodology

Lean Six Sigma Green Belt 2018
Lockheed Martin, Ocala, FL

WORK EXPERIENCE

Manufacturing Engineer

Lockheed Martin, Marietta, GA

Mar 2019 – Present

- Developed and maintained Manufacturing Work Instructions to complete deliverables.
- Maintained configuration by ensuring accuracy of Bill of Materials.
- Collaborated with various organizations to improve built sequencing.
- Interpreted engineering blue-prints and requirements to incorporate engineering changes.
- Provided input to product design regarding design concepts and specification requirements to best utilize equipment and manufacturing techniques.
- Researched root cause of Work Instruction failures.

Manufacturing Engineer

Lockheed Martin, Ocala, FL

June 2017 – Mar 2019

- Developed and implemented Manufacturing Process Plans (MPP's) for a variety of electronic and electro-mechanical assemblies.
- Utilized basic drafting and software programs to develop MPP's, design tooling, support equipment, process flows.
- Provided technical guidance and support to manufacturing operators to facilitate assembly performance.
- Applied lean manufacturing techniques to reduce cost and increase yields.
- Communicated well and worked effectively in a team environment.

- Investigated root cause of failures/defects and implemented corrective action to support continuous improvement.

Estimator/Planner

Pioneer Industries, Seattle, WA

March 2016 – June 2017

- Supported sales and customer RFQ's by providing cost estimates of materials and labor required to deliver internal and external products on time and within quality specifications. Created production planning, along with work center routings.

Manufacturing Engineer

Skills Incorporated, Auburn, WA

October 2015 – March 2016

- Evaluated manufacturing processes by applying knowledge of product design, fabrication, assembly, tooling and materials.
- Developed manufacturing processes by studying product requirements.
- Provided manufacturing decision-making information by calculating production, labor and material costs; reviewing production schedules and estimating future requirements.
- Created operator work instructions and inspection documents to ensure compliance with product, process and system requirements.
- Refined and enhanced products and processes by applying continuous improvement and lean manufacturing principles and techniques.
- Ensured compliance with all federal, state, company and customer requirements.

Aerospace Assembly Mechanic

Primus International, Algona, WA

July 2015 – October 2015

- Assembled structures such as doors and mechanisms, and structural subassemblies such as rudders, flaps, and stabilizers.
- Operated designated machines and hand tools as required
- Read and interpreted blueprints and work instructions.

Manufacturing Planner

The Boeing Company, Renton, WA

December 2011 – June 2013

- Developed, implemented and maintained various manufacturing plans, bill of materials, work instructions and illustrations for commercial aerospace aircrafts.
- Assisted with development and integration of suppliers, processes, materials, data and technology to meet manufacturing and delivery requirements.
- Assisted in reviewing supplier data to ensure manufacturing related requirements are met.
- Investigated and resolved manufacturing related issues of limited scope.
- Developed work statements and sequencing of events to support delivery commitments.
- Assisted in the review, maintenance and monitoring of internal documents.
- Collaborated cross-functionally and built positive relationships.

Aerospace Assembler

Precision Machine Works, Tacoma, WA

October - December 2011

- Assembled products using hand tools and operated drills, lathes, and grinders.
- Read and interpret technical engineering drawings, specifications and other engineering documentation.
- Monitored the quality of airplane assemblies for adherence to quality standards.

