Chris Richardson

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OBJECTIVE: To obtain a managerial position to help me pursue my Master's in Computer Science Engineering

EDUCATION:

University of Texas at Arlington — Arlington, TX
College of Engineering — Grad Date: May 2022
Computer Science Engineering — GPA: 3.40

Southern Methodist University — Dallas, TX
Bobby B. Lyle School of Engineering — Grad Date: May 2015
Mechanical Engineering with Specialization in Engineering Management and Entrepreneurship; Minor in Physics — GPA: 3.00

RELEVANT COURSES: Vibrations, Control Systems Design, Informational Systems and Global Perspectives, Engineering Management, Mechanics of Deformable Bodies, Thermal Systems Design, Materials, Manufacturing Processes, Fluid Mechanics, Elements of Mechanical Design, Intro to CAD, Vehicle Dynamics Modern Physics, Classical Mechanics, Technical Entrepreneurship, Heat and Mass Transfer

SKILLS: 3 years of Java, 1.5 years of Tier 1 IT support, 1 years of Tier 2 IT support, Mathematica 8, ForEasy, MATLAB, LabView, SolidWorks, AutoCAD Suite, Public Speaking, MS Windows, Excel, Word, Access, PowerPoint, SQL, Adobe Photoshop, Quality Assurance Training

EXPERIENCE:

IT Manager, Oldcastle Building Envelope, Garland, TX — June 2016 – Oct 2017

- Managed all Tier 1 IT support for the two adjacent facilities, glass and aluminum, which included 40 computers and 17 networked pieces of machinery
- Wired up the new switches to support the new plant expansion
- Ran Cat5e cabling for ethernet ports to establish new workstations
- On-call during all production hours to ensure that the networked machinery were operating as intended, using Ultra VNC or Teamviewer to solve minor issues or coming to the site for network issues
- Established a shared server for fabrication machines to have read access to design programs to cut downtime between programming and making a customized units
- Established a comment system in AS400 for production units that allowed plant wide communication between first and second shift
- Created new users on AS400 for all plant floor leads and educated them on its use based on their permissions
- Established by-the-second metrics to track the productivity of all workstations in the plant
- Networked printers at all workstations to allow for printing of schematics from the front office to the workstation that needed it

Improvement Engineer/Production Manager, Oldcastle Building Envelope, Grand Prairie, TX — Jan 2016 – Oct 2017

- Designed and implemented plant-wide process improvements, 5S programs, training programs, and product velocity/flow systems
- Designed the layout for all storage locations and product holding locations in the plant
- Reconstructed the Boxing, Shipping and Receiving, Sample, and Will Call Departments from the ground up so they could met the increased demand of a plant expansion from 55,000 sq.ft. to 160,000 sq.ft.
- Created production matrices and refined Best Practices and CSI tracking to promote better production efficiency, made into a direct report for the Regional President
- Created production runs for both Cutting department to ensure optimal product flow
- Programmed for Waterjet Cutter and Forvet Milling machine when the programmer was gone
- Arranged all freight with internal and external customers

- Spearheaded an initiative to streamline sample process to increase overall sales totals
- Performed daily quality control tests on all production lines and storage units

Design Engineer, Unity Manufacturing Inc, Garland, TX August 2015 – Jan 2016

- Developed and tested redesigns for high volume company catalog items and parts for in house use, resulting in 70% reduction in assembly time and 80% more storage capacity in the warehouse
- Worked primarily with engineering software suites: SolidWorks 2016, DriveWorks, and eDPM
- Lead in a lean manufacturing project to ensure production time efficiency and quality benchmarks
- Optimized storage methods for products of the shelf by creating a flat pattern system vs component system

Engineering Co-op, Telect, Plano, TX May 2013 - Aug 2013

- Worked closely with the plant employees to design and implement streamlined processes for the Paint line and the Assembly line
- Managed a 5S Project for the Fiber sector of the facility
- Produced a facility-wide Safety Training Program and presented it to the 200+ employee base

Engineering Co-op, Ericsson, Plano, TX Jan 2012 - May 2012

- Worked within Site Solutions, a standalone Consulting/R&D group within the company
- Developed a prototype and finalized the design for the largest telecommunication cabinet project for the USA
- Led products through the full development cycle: from CAD design, lab work, documentation to completion

ENGINEERING PROJECTS:

Automatic Conduit Bender, Senior Design Project Fall 2014 to Spring 2015

- Producing a conduit bending robot with an automatic feeder that can replicate an inputted design profile
- Responsible for the wiring, sensor inputs, design of the power systems, and programming the robot

Technical Entrepreneurship Fall 2013

- Elected as President and CEO of a paper based start-up company based on team product idea
- Responded to minute by minute scenarios, ranging from production issues to moral issues
- Successfully managed a team of cross-disciplined engineers to create a $110 million company in 5 years

Vehicle Dynamics Car Project Fall 2012

- Measured the dimensions of all major and minor points on my 1969 Ford Mustang going through restoration
- Replicated the Mustang using SolidWorks to calculate the aerodynamic drag of the vehicle

Interdisciplinary Robot Design Project Fall 2010

- Lead engineer for the both the original and redesign for an autonomous robot after an accident rendered it inoperable 11 hours prior to the competition start
- Broke the school speed record during team's 1st trial, and subsequently broke our own record in the 2nd trial

AWARDS:

International Baccalaureate Diploma	SMU Distinguished Scholar	SMU Mustang Scholar
International Baccalaureate Scholar	Lyle's Engineering Fellows Scholar	Johnston Legacy Scholar

INTERESTS/HOBBIES:

- Resto-modding a 1969 Ford Mustang back to working condition
- Building budget desktops and repairing computers for friends and family
- Investing and Monitoring my Cryptocurrency portfolios