UROOJ QURESHI

12226 30th Avenue West Everett, WA 98204 | qurooj0226@gmail.com | 425-903-6017

EDUCATION

University of Washington
Bachelor of Science
Mechanical Engineering

Working Knowledge of

Python	JavaScript
Solidworks	CSS
HTML	Protrac

SUMMARY

Mechanical Engineer with a diverse experience within the manufacturing world looking to branch out into other industries. Currently attending a Full Stack Bootcamp and self-studying Python to gain additional software skills. Effective at problem solving and working within a cross functional teams to create innovative solutions. Known among colleagues to be flexible, organized, and complete work within a timely manner.

PROFESSIONAL EXPERIENCE

Boeing - Everett, WA

Production Engineer, Functional Testing, Level 2 June 2020 - Current

- Own ATA Chapters 29 (Hydraulics), 32 (Landing Gear), and 33 (Lights) for 777 airplanes and perform black-box testing on software functionality
- Work within a cross functional team where daily interactions occur with production and design engineering to solve issues relevant stakeholders
- Worked with Industrial Engineering to analyze product life cycle of airplane build to update the baseline schedule for the build process to increase optimization of testing
- Provide necessary request for RFI's to operations to ensure build of airplane in relation to functional testing is being meet as well as implemented correctly
- Project manage design engineers to consistently update and create functional tests to create configuration control across all 777 airplanes

Project Engineer, 777X Wire Install Tool Optimization, Level 1 June 2019 – June 2020

- In order to decrease wire installation time from a 12 day rate to a 5 day in the B-deck of the airplane a collaborative effort with the 777X tooling team was undertaken and an RCA model was implemented to improve the tooling process
- Implemented feedback from stake holders and gathered data to solidify optimal process improvements
- Created standard work instructions involving the assembly of wires that allowed the shop floor to decrease and optimize over all wire installation time
- Overall the process improvements allowed for a 7 day rate
- Address real time manufacturing and tooling production issues using PFMEA to analyze any failures and mitigate any situations that may slow down factory flow.
- Conduct and present manufacturing and tooling related issues and solutions to 777X executive leadership in order to communicate any help needed from the factory as well as raise awareness on current issues

Production Engineer, Build Integration, Level 1 January 2019 – May 2019

- Worked within the production engineering team where the build process of customer intro airplanes was assessed and then monitored to ensure factory flow was optimized and customer specific options were correctly integrated into aircrafts
- Collaborated with various stakeholders in the company to implement lean manufacturing strategies and continuous improvement throughout manufacturing and build process of customer intro aircraft
- Present out to senior level leadership on both the executive and factory level spectrum to communicate the results of the analysis of factory flow and where there was potential opportunities for improvement

University of Washington – Bothell, WA March 2019 - Present

Research Advisor

- Became an advisor to students currently engaging in capstone projects for graduation
- Provide students with guidance on a bi-weekly basis on various issues encounter during the research and build process ranging from technical to soft skills

Engineering Project Experience

University of Washington - Bothell, WA September 2017 - June 2018

Project Engineer

- Project Managed a group of seven cross disciplinary students to design a Cloud-Based Underwater Acoustic Recorder (CUAR) used to monitor noise pollution in Lake Washington in proximity of the 520 bridge
- The team modeled and manufactured the "electronics package" of the CUAR. The package contained a Raspberry Pi Zero, WIFI module, battery, and SD card. Using an iterative design process we utilized 3D printing technology to optimize the placement of each component in the device