

# Justin Ho

-Email me on Indeed: <http://www.indeed.com/r/Justin-Ho/870dfe025d4accdc>

## Work Experience

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### **Safety & Mission Assurance Engineer / Systems Safety Engineer**

Anadarko Industries - Houston, TX

April 2019 to August 2021

- Identify and analyze risks and hazards associated with system designs, space hardware testing, and human performance testing
- Develop hazard controls and verifications to mitigate safety hazards
- Develop and review of procedures, plans, operation checklists and hazard analysis reports
- Prepare and present safety recommendations to division chiefs, branch chiefs, test directors, project managers, facility managers and test teams for the implementation of the safety program
- Act as safety subject matter expert and participate in Readiness Reviews
- Provide technical guidance, real-time monitor and engineering support to space hardware and human performance test operations to ensure safe and environmentally responsible work practices are implemented
- Assure test facilities, test beds and operations meet internal and external applicable standards and codes
- Conduct facility, laboratory audits to assure compliance with all safety requirements
- Perform incident investigations, support to identify root cause and provide corrective & preventive actions
- Prepare safety reports and briefings to management

### **Mechanical Engineer**

Toshiba Mitsubishi Electric Industrial Systems Corporation - Katy, TX

July 2017 to April 2019

- Designed and modified mechanical drawings and electrical diagrams for power electronics products such as Medium Voltage Drives, PV Inverters, and Uninterruptible Power Supplies
- Created and modified Bills of Materials to reflect the costs and manufacturing requirements of products
- Prepared technical documents including engineering change notices (ECN), technical specifications, product manuals and cost estimates
- Reviewed customer specifications
- Supported plant operations and customers by providing technical guidance
- Resolved non-conformance issues and determined their usability
- Performed root cause analysis and provided corrective / preventive actions
- Performed first article inspections (FAIs), assessments and audits on materials, processes and procedures to ensure compliance to specifications, engineering drawings, procedures and ISO-9001 program.
- Performed cost analysis to reduce cost and increased company's profits

### **Engineer I (Internship)**

Adico Consulting Engineers - Friendswood, TX

May 2017 to July 2017

- Performed project drawings, reviewed and coordinated any design changes
- Created and designed maps by using ArcGIS software
- Prepared project plans
- Provided technical reports to project manager and project coordinator
- Performed field inspections from construction manager
- Performed other engineering tasks as assigned from project manager

### **Lab Technician / Undergrad Researcher**

Lamar University Materials Research Lab - Beaumont, TX

May 2016 to September 2016

- Collected laboratory samples for research
- Applied high energy ball milling process to improve the CO2 absorption
- Monitored test performance to ensure lab operations
- Maintained sample cylinders, sample containers, and sample labels
- Managed laboratory samples, laboratory supplies, testing, test results, specifications, and test reports
- Provided maintenance and troubleshooting to laboratory instruments and systems
- Measured the CO2 absorption using Gaslab software
- Used scanning electron microscope to determine materials' structure
- Recycled, disposed laboratory wastes according to laboratory procedures and regulatory requirements
- Performed data analysis for CO2 absorption
- Performed technical reports to research advisor

## Education

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### **Bachelor of Science in Mechanical Engineering**

Lamar University - Beaumont, TX

May 2017

## Skills

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- Languages: English, Vietnamese
- AutoCAD
- Solidworks
- PTC Creo (Pro/E)
- Oracle EBS SAP
- ERP Systems
- QT9 Quality Management System
- Enovia
- ArcGIS
- Working Model 2D
- MATHCAD
- MATLAB
- Simulink
- Nastran

- Gaslab
- Python
- SharePoint
- Microsoft Office
- System Safety
- Operation Safety
- Process Safety Management
- Project Management
- Process Improvement
- Continuous Improvement
- Quality Assurance / Quality Control
- Hazard Analysis
- Risk Assessment
- Failure Analysis
- Maintenance
- Technical Support
- Trouble-shooting
- Customer Service