

# Linc(Daoyuan) Guo

Email: [linkingarden@foxmail.com](mailto:linkingarden@foxmail.com) Mobile: (206)708-3684 Address: 3230 148<sup>th</sup> St SW, Unit D6 Lynnwood, WA

## Profession-Expertise

### Mechanical/Electrical/ Systems Installation Engineer

- Engineered, Designed, and Developed In-Flight Entertainment System Installation packages performed on Boeing and Airbus aircrafts.
- Proficient in AutoCAD/BricsCAD, SolidWorks (more than 4,000 hours) and Microsoft Office; familiar with ANSYS Workbench, Meshmixer, Matlab.
- Engineering from development to STC issuance for airline customer's commercial aircraft fleet modification and interior reconfiguration.

### Web Development

- JavaScript, HTML, CSS, Node.js, Git, GitHub, SQL, MySQL, python, Bootstrap

## Professional Experiences

### **Systems Installation Engineer - Panasonic Avionics Corporation (Bothell)** **2017 - 2020**

- Engineered, drafted with BricsCAD, and released 48 engineering drawings in 2019 fiscal year to become the top player in productivity within the team.
- Comprehensive knowledge in all customer deliverables, including mechanical, electronic and / or electromechanical assemblies LRUs, harnesses, customer racks, documentation, and systems, expediting designing and document processes.
- E2E ownership of customer projects, from designing and planning, coordinate the team for execution, to final installation. Excel at optimizing system performance by identifying and fixing bottlenecks to reduce processing time.
- Worked as the scheduling coordinator to orchestrate product prototyping with 3-D printing, tracking development, certification, and manufacturing throughout product launch. Delivered earlier than scheduled and received satisfaction from partners like Encore Boeing and customer Hawaiian Airline.
- Performed on-site support during modifications to inspect and conduct in-depth troubleshooting, ensured supplier's installation met company requirements 100%.
- Led customer, OEM, and supplier's engineering teams to coordinate design, development, documentation, integration, test and certification activities, and fulfilled schedule, cost, and technical requirements for all committed deliverables.

### **Product/ Functional Designer, Mechanical Engineer - MVP Group Inc.** **Winter 2015 – 2016**

- Designed portable wireless interactive safety gun box based on company requirements with SolidWorks and simulated tests by using ANSYS Workbench.
- Constructed fully functional prototypes of specialized components to test suitability and durability by using 3-D printing technology and milling.

### **Aircraft Maintenance Technician - China Southern Airline (Hubei)** **Summer 2015**

- Examined vital components such as aircraft engine for troubleshooting and maintenance purposes.

## Special Projects/ Other Experiences

### **Smart Cane Project - University of Washington** **2016**

- Applied ME knowledge to a medical project targeted to help knee osteoarthritis. Grasped the required medical knowledge in short time and delivered solid design with rigorous testing to ensure precision in medical practices.

## Education

### **University of Washington, Seattle, WA**

*B.S.E. in Mechanical Engineering*

Sep 2013 – Mar 2016

*Full Stack Web Development Coding Bootcamp Certificate*

Aug 2020 – Feb 2021