



JACK ALVAREZ

Design Engineer

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PROFESSIONAL EXPERIENCE

Product Development Engineer

EMBRAER

2016 – 2018 (2.5 years)Melbourne, Florida

Assist Corporate/sales team in product development (from concept to delivery) for new and current clients. Supplement Type Certificate implementations and designs, also Engineering Orders that deal with multiple departments, customers and aircraft types.

Technical drafter/ 3D designer

THALES

2008 – 2016 (8 years)Orlando, Florida Area

Assist project engineering in the life-cycle of new product development (from concept to delivery). Aid support engineering with current projects in carrying out advance drawing changes, STC implementations, EO's that deal with multiple departments, customers and aircraft types. Turning over 12 years of developed legacy product and current working projects from our older 2D CAD Data, into SolidWorks 3D and electrical and have it vaulted to be accessible by the parent company as well as its branches and be able to communicate effortlessly concerning modifications, new and upcoming product/projects.

Electrical Design Engineer

RAYDON CORPORATION

2006 – 2008 (2 years)Daytona Beach, Florida Area

An awesome company making military-based training simulators. Involved in all ranges of sea-air-land vehicles and ground forces. Their proprietary training software yields them "free reigns" over the kind of scenarios and terrain abilities to make custom trainers, which exceeds in the cost-savings of a single soldier's training cost-allotment and train instead more than a dozen for that same total. Making their systems robust and while being the low cost leaders, allow for having the best teams doing the development of the new items requested, whether it be vehicles, terrain, scenarios or a full package.

Electrical Design Engineer

LASER PHOTONICS

2003 – 2006 (3 years)Lake Mary, Florida

Designing, improving, manufacturing a wide range of laser systems, from large format (ships templates) gantry-based cutting lasers, to galvo-driven mini/micro marking and engraving laser systems for medical and general applications.

Aviation Electrician

US NAVY

October 1995 – September 2002 (7 years) Various locations

Aviation Electrician's mate - cross trained to AT-AMH-AD-AO-AW due to low personnel availability during deployments (2 sixers, 4 "CD-ops", several work ups) about 2 years of sea time and 3.5 years of total deployment living on the ship. Ranks obtained while in service were from E1-E5, honorably discharged, now a D.A.V., still hold the core values that were taught through the many schools attended and the certifications gathered to excel in the ranks. DD-214 available upon request. Too many items to list.

Skills & Expertise

Engineering - Microsoft Office - Manufacturing - Product Development - Project Management – AutoCAD – Inventor – SolidWorks – HSMWorks - Electronics - Lean Manufacturing - Electrical Engineering - CNC Machine - CNC Programming - CNC Operation - Laser Engraving - Laser Marking - Induction Heating - Mechanical Engineering - Fluent in Spanish and English - Obsolescence mitigation research - 3D Prototyping CAD - Project Engineering - Electricians Testing - Engineering Management – Simulation Equipment –

Languages

English (Native or bilingual proficiency)
Spanish (Native or bilingual proficiency)
French (Limited working proficiency)

EDUCATION

2003 University of Central Florida Orlando, FL
Currently pursuing B.S., Mechanical Engineering.

INTERESTS

Get the job done by working smart; Electronics, Manufacturing Techniques,
How to make things more efficient, Computers, Music.