

FIRST LAST

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EXPERIENCE

SOME ENGINEERING COMPANY

El Segundo, CA

Design Engineer

Jun 2019 – Present

- Responsible for designing products using PTC Creo 3.0 / ProEngineer such as shafts & bearings
- Configured Bill of Materials (BOM) for orders to achieve on time completion
- Designed configurable Bill of Material in Company Enterprise Software; reduced order processing time for new jobs
- Lead and coordinated design review meetings to facilitate production release
- Overhauled the obsolete legacy designs of several production versions, resulting in increased usability and reduced run time performance
- Coordinated with teams in Korea, Glasgow, Mexico, and Canada for overseas pump orders
- Promoted within 12 months due to strong performance and organizational impact (1 year ahead of schedule)
- Incorporated inspection and test requirements to verify development pump efficiency and modify components based on results of test

AIRPLANE COMPANY

Los Angeles, CA

Manufacturing Engineer

Apr 2018 – Jun 2019

- Created and improved manufacturing processes to meet challenging flight hardware requirements
- Created Visual Aid Drawings and Work Instructions for Assemblies
- Identified steps to reduce manufacturing defects through collaboration and teamwork
- Lead and provide technical guidance and liaison for operations to technicians to support building efforts for flight hardware
- Overhauled the obsolete legacy source code of two production applications,
- Increased shop tools usability and reduced run time performance of processes
- Structured Manufacturing Bill of Materials (MBOM) using CPLM, consisting over 1000+ parts, assemblies, and sub-assemblies
- Worked alongside manufacturing teams to ensure quality, delivery, and cost objectives are achieved

EDUCATION

MASTERS UNIVERSITY

Los Angeles, CA

Master of Science in Mechanical Engineering with Honors

Apr 2021

- XXX Scholarship, Director's List 2020 (top 10%)
- Cumulative GPA: 3.93/4.0 (Include if 3.0+)
- Aeronautical Engineering Club (Board Member), Engineering Honor Society (General Member)

UNDERGRADUATE UNIVERSITY

Los Angeles, CA

Bachelor of Science in Mechanical Engineering

Apr 2019

- Cum Laude with Honors; Cumulative GPA: 3.5/4.0; Dean's List (2016, 2017)
- Japanese Student Association Member
- Completed one-year study abroad with Singapore University (2018)

ADDITIONAL

Technical Skills: Advanced in CAD (PTC Creo 3.0, ProEngineer, Siemens NX, SolidWorks, AutoCAD), JavaScript, HTML/CSS; Proficient in MATLAB, Python,

Languages: Fluent in French, English; Conversational Proficiency in Japanese

Certifications & Training: SolidWorks, AutoCAD, ProEngineer

Awards: Dean's List Multiple Semesters (2018, 2019)