

FIRST LAST

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EDUCATION

MASTERS UNIVERSITY

Los Angeles, CA

Master of Science in Mechanical Engineering with Honors

Apr 2021

- XXX Scholarship, Director's List 2017 (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: 3.93/4.0; Dean's List (2015, 2016)
- Japanese Student Association Member
- Completed one-year study abroad with Singapore University (2009)

EXPERIENCE

SOME ENGINEERING COMPANIES

Segundo, CA

Design Engineer

Jun 2018 – Present

- Responsible for designing products using PTC Creo 3.0 / ProEngineer such as shafts, bearings, casings ranging from applications such as Oil and Gas, Power, Municipalities, Refineries, etc.
- Configured Bill of Materials (BOM) for 500+ orders; achieved 100% on time completion
- Designed configurable Bill of Materials in Company Enterprise Software; reduced order processing time for new jobs
- Lead and coordinated design review meetings in groups of 20+
- Overhauled the obsolete legacy designs of several production vehicles, resulting in increased usability and reduced run time performance by 50%
- Coordinate 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; improved efficiency; made recommendations to improve efficiency by 1~3%

AIRCRAFT COMPANY

Los Angeles, CA

Manufacturing Engineer

Apr 2018 – Jun 2019

- Created and improved manufacturing processes for challenging flight hardware requirements for 30+ military aircraft assemblies and sub-assemblies through Visual Aid Drawings and Work Instructions
- Identified ways to reduce manufacturing defects by 10% resulting in an annual \$75k cost savings and provide technical guidance and liaison/operations to technicians to support building efforts for flight hardware
- Overhauled the obsolete legacy source code for two production applications, resulting in increased usability and reduced run time performance by 50%
- Structured Manufacturing Bill of Materials (MBOM) using CPLM, consisting over 1000+ parts, assemblies, and sub-assemblies
- Worked alongside manufacturing team to ensure quality, delivery, and cost objectives are achieved

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)