Che-Hsien Lin

P: (314) 437-0226 LinkedIn **E:** chehsienlin.jason@gmail.com

Product Design | SolidWorks | Mechanical Design | 3D Printing | Mechanical Testing | ANSYS | Thermal Analysis | Research Skills | Product Testing | Project Development | Root Cause Analysis | Troubleshooting | Material Selection

Mechanical Design Engineer / Mechanical Engineer

Education:

Saint Louis University, St. Louis, MO **Aug 2022**

- Bachelor of Engineering in Aerospace **GPA: 3.80**

Technical Skills:

- **Computer-Aided Design (CAD):** Creo PTC (Pro E), AutoCAD, SOLIDWORKS, CATIA, Autodesk
- **Computer-Aided Engineering (CAE):** SOLIDWORKS Simulation
- **Technical Ability:** Engineering Design, Power Tool handling, 3D Printing, Simulations, LABVIEW
- **Management skills:** Product validation, Project Coordination, Team management, Vendor Handling.
- **Hardware:** Soldering Tools, Laser Cutter, Machining-Mills, Lathes, CNCs, Angle Grinders, Bandsaws, Drill presses, Grinders, Basic Hand tools, Welding Tools
- **Expertise Area:** Mechanical system Design, Computation Fluid Dynamics (CFD), Computer-Aided Design, Production Process,
- **Interpersonal Skills:** Strong Internet Research, Excellent Verbal, Written and Quantitative Skills, Time Management and Prioritization Abilities, Effective Presentation, Team Player, Leadership and Negotiation Skills.

Work Experience

Operation Assistant **July 2019 – Aug 2022**

Simon Recreation Centre, Saint Louis University, Saint Louis, MO

- Scheduled meetings and team building sessions as required & promptly answered the questions of staff and other stakeholders.
- Provided excellent customer service and maintained fruitful relationships with vendors.
- Prepared and filled forms and other documents along with provided assistance to recruitment and onboarding processes.
- Took inventory and ordered office supplies as required and also analyzed all operations & forwarded suggestions for improvement to the Manager.

Academic Project

SAE Aero Design Competition – West (Aerodynamic Lead) **Aug 2021 – April 2022**

- Design and Build an RC aircraft, Analyze its aerodyne mics & run CFD simulation and CAD software for advance design analysis.

Turbofan Engine Design Project

- Design and analyze propulsion system for high altitude long endurance UAV using engineering knowledge, MATLAB programming, and iteration to reach mission requirement.

Activities

Research of Material Science Simulation: **June 2021 - Present**

- Analyzed and inspected material properties in different physical conditions.
- Modified MATLAB code, collected and organized simulation data.

Tau Beta Pi Honor Society: **March 2022 - Present**

- Adept at collaborating and communicating with group members.
- Broaden knowledge and network with industrial mentors through conferences.

Parks Aero Design Team: **Oct 2020 – May 2021**

- Allocated work and collaborated with team members for prototype design.
- Analyzed tasks difficulties and arranged time distribution also generated creative and efficient problem-solving skills.

Saint Louis University Mass Choir: **Sept 2019 - May 2021**

- Well-communication skill and eager to learn from members.
- Being responsible, prepared for every rehearsal.

Firm Foundation Tutoring Program **Sept 2019 – Dec 2019**

- Developed observation skills and built comfortable environment with students.
- Targeted problems and agilely solved them for every situation.

SLU Chi Alpha Christian Fellowship **Jan 2019 – May 2022**

- Built connection people from different fields.
- Developed communication skills with individuals from different fields.