


Jake Anderson

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Summary

- Have experience in design engineering and Finite Element Analysis, as well as CAD work and design optimization
- Moderately proficient in C++, Python, and JavaScript
- Worked primarily in Fusion 360, as well as CREO Parametric and ANSYS Workbench
- Handled many big-name clients such as Dr. Pepper-Keuring, Coca-Cola, VideoJet, and Hostess
- Fast Learner and great work ethic, I love learning and relish the opportunity to learn something new and take on different challenges

Experience

Chief Mechanical Engineer

Laser Safety Compliance

Jun 2022 - Present (10 months)

- Flew to industrial customer sites in order to take measurements used to model the customers production line
- Designed beam shields that complied with ANSI Z136 specifications that was then designed, manufactured, and installed
- Handled the customers FDA Form 3632 requests in order to make OEM laser systems safety compliant.
- Also was responsible for the design on various odds and ends parts necessary to laser systems from a large variety of clients
- I have many sample designs of various models including brackets for TTO's, laser mounts, and the aforementioned odds and ends

Associate Banker

Chase

Jul 2019 - Oct 2022 (3 years 4 months)

- Handled customers whenever needed, worked as part of an effective team with whatever other team members needed
- Helped drive the branch to record sales all three years I was a part of the team
- Work ethic and team first attitude was partly responsible for the some team members to thrive and reach highly sought after promotions over others at different branches

Supervisor

TCF Bank

Sep 2015 - Jul 2019 (3 years 11 months)

- Was part of an effective team, bridging the gap between management and sales
- Responsible for managing sales employees on both a daily and long term basis

- Led management to allow me to be the one of the youngest members in our entire region to open and handle more complex customer accounts such as IRA's, Business, and Investment accounts

Education



Illinois Institute of Technology

Masters of Engineering, Mechanical and Aerospace Engineering

2020 - 2022

- Studied mainly CAD work, Finite Element Analysis, and Industrial Engineering
- Participated in many in-class projects, such as design engineering, CAD work, and working with other students as a team in order to progress through the engineering design process
- Semester-long study into the science behind solar panels, the science behind them and the engineering processes required to manufacture



Lewis University

Bachelor of Science - BS, Physics

Aug 2016 - Dec 2019

- Mainly focused on Astrophysics and Quantum Mechanics and applying these concepts to the real world today
- Strong interest in Astrophysics and Nuclear/Particle Physics
- Participated in a plethora of research experiments in conjuncture with professors and graduate students, including gold nano-particle drying patterns, physics of a baseball (Magnus Effect), and solar panel science

Skills

Mechanical Engineering • Hardware Installation • Engineering • AutoCAD • ANSYS • Ansys
Mechanical FEA Software • ANSYS Workbench • PTC Creo • Creo Parametric • Autodesk Fusion 360