Sebastian Rhee

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Education

Texas A&M University College Station, TX

Bachelor of Science in Mechanical Engineering *Expected Graduation May 2026*

- GPA: 3.709 (unweighted) - 85 Credit Hours
- Relevant Coursework - Geometric Modeling, Solid Mechanics

Work and Volunteer Experience

Math and Science Tutor August 2019 – December 2021

Central Arkansas Christian Schools *North Little Rock, AR*

- Tutored middle and high school-level math and science courses one-on-one
- Visualized fundamental concepts to develop a more intuitive understanding of topics from simple algebra to kinematics
- Provided constructive feedback to students to promote growth and retention of concepts

Audio/Video Technician March 2020 – August 2022

Living Waters Baptist Church *Sherwood, AR*

- Managed audio mixing, live-streaming, and PowerPoint presentations during Sunday church services
- Provided an enjoyable worship experience to a congregation of roughly 75 people weekly
- Explored ways to have in-person interactions during COVID-19 lockdown via FM radio transmitters

Gas Station Associate May 2022 – August 2024

Shell Fuel Station *North Little Rock, AR*

- Performed both front-of-house cashier and customer service duties in addition to inventory management and organization
- Maintained a convenient, clean, and friendly fuel stop experience to the local community
- Cultivated interpersonal communication skills through consistent engagement with customers

Projects

Pressure Tank Vessel | *SolidWorks, Abaqus, MATLAB* May 2024 – June 2024

- Designed a dive tank pressure vessel in collaboration with French students at the Arts et Métiers ParisTech campus in Aix-en-Provence
- Used Solidworks and Abaqus as FEA tools to iterate on initial design
- Presented final project to both Texas A&M University and Arts et Métiers professors

Reel 'n Catch | *SolidWorks, Cura* February 2024 – May 2024

- Created a 3-D printed target hunting/fishing toy concept for individuals with mobility problems
- Designed 10 of the 13 total parts in Solidworks and fabricated using FDM 3-D printer

Technical Skills

- **Languages** - Bilingual proficiency in English and Korean
- **Programming Tools and Libraries** - Python (pandas, NumPy, SciPy, Matplotlib), MATLAB
- **Software** - Solidworks, Abaqus, Cura, Notion Workspaces/Wiki, LaTeX, Microsoft Office Suite