

# ANTHONY WEEKS

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Rice University Senior in Chemical Engineering and Material Science seeking a full-time engineering role with a particular interest in process engineering, project engineering, or strategic development. Currently studying for the FE exam.

<b>EDUCATION</b>	<b>BScE Chemical Engineering</b> , Rice University <b>BA Material Science and Nanoengineering</b> , Rice University <ul style="list-style-type: none"><li>3.94 GPA, Dean's List, TW Moore Scholarship, Chevron Scholarship, Rodd Selman Scholarship, LJ Walsh Award, Graduating with 165 credits</li></ul>	Aug 20' - May 24'
<b>EXPERIENCE</b>	<b>Engineering Intern, Air Liquide</b> , Dallas, TX <ul style="list-style-type: none"><li>TGCM (Total Gas and Chemical Management) Team</li><li>Conducted a detailed inventory review to identify \$7600 in cost savings</li><li>Created two P&amp;IDs to identify flow paths for critical equipment</li><li>Introduced to two Root Cause Analysis Methods (Taproot and 5 Whys)</li><li>Completed Lean Six Sigma White Belt Training</li></ul> <b>Engineering Intern, Samsung Austin Semiconductor</b> , Austin, TX <ul style="list-style-type: none"><li>Implant Operations Equipment Engineering Team</li><li>Used Spotfire and Excel to update and verify upper and lower alarm limits to reduce unnecessary alarms by over 65%</li></ul> <b>Teaching Assistant, Rice University</b> , Houston, TX <ul style="list-style-type: none"><li>Assisted in teaching Numerical Methods I &amp; II, Sophomore Chem. Eng. Lab, and am currently the TA for Chem. Eng. Senior Design</li></ul> <b>Parks and Recreation, The Woodlands Township</b> , The Woodlands, TX <ul style="list-style-type: none"><li>Lifeguard 2018, Head Lifeguard 2019, Boat House 2020 and 2021</li></ul>	Jun 23' - Aug 23' May 22' - Aug 22' Aug 21' - Present Apr 18' - Sep 21'
<b>LEADERSHIP</b>	<b>Vice President of International Justice Mission at Rice</b> <ul style="list-style-type: none"><li>Organized fundraisers, awareness events, and developed partnerships with various other social justice clubs on campus</li><li>Raised over \$1,200 in 2023 to fight human trafficking in Ghana</li><li>Winner of Center for Civic Leadership - Spirit of Service Award 2023</li></ul> <b>Head Lifeguard at The Woodlands Township</b> <ul style="list-style-type: none"><li>Taught CPR, First Aid, and Water Rescue</li><li>Scheduled lifeguards, monitored pH &amp; Cl levels, planned Splash Day 2019</li></ul>	Aug 21' - Present Feb 19' - Feb 20'
<b>PROJECTS</b>	<b>Blue Ammonia HYSYS Design and Economic Analysis</b> <ul style="list-style-type: none"><li>Designed a Blue Ammonia plant with an SMR in Aspen HYSYS</li><li>Included a double-column ASU and an MDEA carbon capture unit</li><li>Performed an AACE Class III cost estimate and created a stochastic model to estimate economic performance such as NPV, IRR, and MIRR</li></ul>	Jan 23' - Apr 23'
<b>ADVANCED COURSES AND SKILLS</b>	<b>Decision Tools for Chemical Engineers</b> <ul style="list-style-type: none"><li>Economics, accounting, and finance in the context of chemical engineering projects</li></ul> <b>Physical Properties of Solids</b> <ul style="list-style-type: none"><li>Study of electrical, magnetic, and optical properties of metals, semiconductors, and dielectrics</li></ul> <b>Technical Skills</b> <ul style="list-style-type: none"><li>Aspen HYSYS, Excel (VBA), Python, MATLAB, Spotfire, Autocad, Office Suite</li></ul>	