

IT and Engineering Career Community

Wolfie Seawolf

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Education

Stony Brook University

Bachelor of Engineering in Chemical and Molecular Engineering

Specialization in Nanotechnology

Stony Brook, NY

Expected May 20XX

Relevant Experience

Advanced Energy Research and Technology Center (AERTC)

Stony Brook, NY

Undergraduate Research Assistant

January 20XX-Present

- Researched effects of hydrogen fuel blending on pipeline infrastructure in the form of embrittlement
- Assembled hydrogen embrittlement test reactors and prepared samples for characterization (SEM, EDS, XPS)

Koehler Instruments Company, Inc.

Holtsville, NY

Summer Intern

May 20XX-August 20XX

- Conducted various ASTM tests on grease and lubricant samples using various instruments
- Collaborated in a team of 3 interns to analyze products and create competitive market reports
- Published poster at American Institute of Chemical Engineers Conference 2022 on development of biofuels in modern fuel market

Leadership Experience

Chem-E-Car Design Team

Stony Brook, NY

Co-Captain; Stopping Reaction Team Lead

February 20XX-Present

- Designed and optimized a small car powered by a self-made battery and controlled chemical reaction
- 1st Place in 2022 Mid-Atlantic Regional Competition
- Led sub-team of 7 members in lab research and data collection
- Collaborated with team of 4 team-leads to design and integrate sub-divisions of car
- Optimized chemical reaction mechanism, troubleshooting with reaction chemistry, code, and circuitry
- Created data curves for luminol chemiluminescence reaction and iodine clock reaction

American Institute of Chemical Engineers (AIChE)

Stony Brook, NY

Secretary

November 20XX- June 20XX

- Organized and advertised biweekly career development events and chapter meetings
- Collaborated with student organization leaders to plan professional development three events and mixers attended by more than 110 students
- Managed multiple media platforms (Instagram, Discord, website) to interact with and grow student membership; Engagement increased by over 700%

Stony Brook University, College of Engineering

Stony Brook, NY

Peer Mentor

September 20XX- May 202XX

Mentored three first year Chemical Engineering majors in developing academic, research and professional profiles

Skills & Certifications

- LSSI Lean Six Sigma White Belt Certification
- Safety and Chemical Engineering Education Certification (SACHE)
- Python Programming; MATLAB; Microsoft Office (Word, Power Point, Excel); Google Drive (Spreadsheet, Google slides and G-Suite)