

ANJALI SRIDHARAN

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OBJECTIVE: To secure a position as a chemical engineering intern.

COMPETENCIES: Solid understanding of chemical engineering fundamentals (thermodynamics, heat and mass transfer, etc.). Extensive practical experience working with concepts in organic, inorganic, and materials chemistry. Proficiency in CAD Design (Dassault Draftsight), Excel and Microsoft office suite, and various computer languages and modeling softwares (Python, Java, Matlab, Mathematica). Working knowledge of process design and data collection in semiconductor device manufacturing processes.

EDUCATION:

Chemical Engineering Sophomore, Cockrell School University of Texas at Austin,

Relevant Course Material: Introduction to Chemical Engineering Analysis (CHE317); Transport Phenomena (CHE319); Organic Chemistry, Labs (CH 368, CH 128L, 128K); Inorganic Chemistry, Lab (CH 341); Physical Chemistry, Lab; Engineering Physics (PHY 303L)

Elements of Computing Certificate,

Course material: Elements of Software design (CS 303E), Element of Graphics and Visualization (CS324E), Computational methods in Chemistry (CH354M)

ACHIEVEMENTS AND AWARDS:

UT Robotics and Automation Society 'Robotothon'

2017

Qualified into top five entries.

University of Texas Alternate Energy Challenge

2018

Qualified semifinalist, developing solution for production of algae biofuels

UT Inventors Program Oil and Gas Analytics

2019

Developed metrics to help Conoco Phillips determine operational efficiency of work crews.

UT Inventors Program Summer Fellowship

2020

Opportunity for continued research for project involving analysis of oil and gas data

ORGANIZATIONS

ICC Austin

Head of house (Trustee) for student housing initiative under the Austin Inter-Cooperative Council

UT Unmanned Aeronautical Vehicle Team

Responsible for designing flight control display, integration of flight data.

Engineers for a Sustainable World

Member of Renewable Energy harvesting project

WORK EXPERIENCE and INTERNSHIPS

TA, UT Inventors Program (present)

Responsible for assisting students, providing support and feedback on their projects involving challenges in the oil and gas sector.

Lab Technician, University of Texas Microelectronics Research Center (Spring 2017-2019)

Responsible for maintaining, conducting trainings, and collecting process data on dozens of onsite tools. Developing good working knowledge of important concepts in semiconductor industry (ex: vacuum physics, plasma chemistry, CVD processes, lithography, etc.). Currently working on optimizing processes for the facility's seven etchers; report will be presented at NNCI conference.

Zyvex Labs (2016)

Internship for company that designs and manufactures custom lithography masks. Gained proficiency in CAD design with Dassault Draftsight.