

Mahsa Nazem
nazemmahsa90@gmail.com | Raleigh, NC | 703.826.5330

Objective

As a 2nd-year PhD student with a strong passion to apply my research skills to solve real-world industrial challenges. I aim to synergize the gained knowledge with experimental findings to yield outcomes that could potentially enhance industrial processes and promote the development of more sustainable products.

Education

North Carolina State University, Wilson College of Textiles

Ph.D. in Fiber and Polymer Science

NWI Project No: 23-282cc

Fiber Degradation Evaluation and Sustainable Alternatives in Wet Wipes

Principal Investigator: Dr. Behnam Pourdeyhimi, Dr. Benoît Maze

Graduate in 2026

Amir Kabir University of Technology, Tehran, Iran

Master of Textile Engineering, September 2016

Textile Industries Management

Thesis: Evaluation of Brand Identity and Its Effect on Customer Loyalty

Amir Kabir University of Technology, Tehran, Iran

Bachelor of Textile Engineering, September 2014

Textile Chemistry and Fiber Science

Thesis: Finishing the Polyester Fabric with Carbon Black Nanoparticles and Checking Relevant Features

Related Coursework

Physical Properties of Fiber Forming Polymers

Introduction to Nonwovens Products and Processes

Advanced Nonwovens Processing

Nonwoven Product Development

Characterization of Structure of Fiber Forming Polymers

Textile Engineering Experience

Zeap Home®

Home Textile Producer, Located in Tehran, Iran

Cofounder and Quality Control Manager

- Supervising the quality control section with a focus on minimizing product returns, which result in a high satisfaction rate.
- Increasing Zeap Home direct sales through Instagram
- Leveraging communication and innovation skills to engage with consumers and build loyalty interactions.

Tehran, Iran, Dec 2017-July 2023

Borujerd Textile Company

A well-known textile factory in Iran specializes in the production of fiber to finished products, encompassing spinning, weaving, dyeing, printing, and finishing departments located in Borujerd, Iran.

Commercial Supervisor

- Leading the commercial team to coordinate procurement activities on a timely schedule and reduced the supply time.
- Achieving target sales by selling fabrics to whole sellers.
- Interface between factory and consumers, to address consumer inquiries and minimize disputes.
- Monitoring production rate, identification and resolving bottlenecks and providing relevant reports to management.
- In charge of handling outsource productions including arrangements for providing raw materials on time.
- As the head of the project for establishing a new brand, initiating the project promptly and managed all necessary infrastructure aspects, included logo design, packaging, and collaboration with outsourced production companies.

Headquarter based in Tehran, Iran, Dec 2013 – Dec 2017

Technical Skills

Office (Word, Excel, Power point, Outlook), JMP, Origin

Conferences

Industrial Advisory Board Meeting held by The Nonwovens Institute - May-2024

Techtextil North America Symposium - August 2024

Rise Conference – October 2024

Volunteer Activities

Foodbank of central & eastern North Carolina -Warehouse Project – Raleigh, February 2023

Small Pack Leader for new international student orientation – office of international students at NC state university – August 2024