

**Sahba Khorsandzadeh**  
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### Education

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#### **Georgia Institute of Technology (Atlanta, GA)**

- Candidate for Bachelor of Science in Biochemistry
  - Current Georgia Tech GPA: 3.77
  - Overall GPA: 3.88

Graduation: May 2021

#### **Georgia Gwinnett College (Lawrenceville, GA)**

- Candidate for Bachelor of Science in Biochemistry
- GPA: 3.92

*August 2016- August 2018*

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### Experience

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#### **Publix Supermarket**

*Pharmacy Technician*

*January 2016-present  
Lawrenceville, GA*

- Receive written prescription or refill requests and verify that information is complete and accurate.
- Maintain proper storage and security conditions for drugs.
- Answer telephones, responding to questions or requests.
- Mix pharmaceutical preparations, according to written prescriptions.
- Prepare and process medical insurance claim forms and records.
- Ability to demonstrate basic knowledge in medication therapeutic categories.
- Assist customers by answering simple questions, locating items, or referring them to the pharmacist for medication information.

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### Research

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#### **Georgia Institute of Technology**

Research Assistant

October 2019- Present  
Atlanta, GA

- Performing molecular simulations using Cerius2 software.
- Using performed simulations in analyzing and improving water treatment designed structure.
- Analyzing hydrogel intermolecular forces and attraction through simulations.

#### **Georgia Gwinnett College**

Research Assistant

May 2019- August 2019  
Lawrenceville, GA

- Designing and performing cellulose-based hydrogel synthesis utilizing liquid Nitrogen.
- Performing urea absorption/desorption tests and hydrogel-urea upholding ability analysis using TOC/TN
- Designing and performing acrylamide hydrogel synthesis.
- Hydrogel-mesh filter synthesis design and water treatment analysis.
- Training High-school students on lab safeties, experimental design, and chemical analysis.

#### **Georgia Gwinnett College**

*Research Assistant*

*May 2018- August 2018  
Lawrenceville, GA*

- Synthesizing cellulose-based hydrogels using chemical cross-linking in room temperature and freezer.
- Drying synthesized sample using organic chemicals including acetone and ethanol.
- Studying the water temperature and drying method effects on water absorbance capacity of synthesized hydrogel.
- Analyzing IR and NMR of samples for studying the structure of synthesized sample.

## **Skills**

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**Instrumentation:** NMR Spectroscopy, IR Spectroscopy, High Performance Liquid Chromatography, Fellow Injection Analysis, Gas Chromatography, Mass Spectrometry, TOC/TN.

**Language skills:** Bilingual (Persian and English)

**Professional:** Pharmacology terms, math proficiency, medication inventory handling, insurance billing.

Customer Service: Directing Phone calls. Problem solving. Handling cash register.

## **LEADERSHIP**

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**Georgia Baha'i Club**

*August 2018-Present*

- Joined/participated as a member in the fall of 2018

**Teaching club**

- Joined and participated to teach English and math to impoverished students

January 2013\_ December 2014

**Complete Dental care**

- Shadowing dentist during dental and oral procedures.
- Completed 60 hours of shadowing.

January 2019\_May 2019