

Ruchi J. Patel

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Education

Georgia Institute of Technology, Atlanta, GA

June 2019-May 2022 (Expected)

Candidate for Computer Science

GPA: 4.0/4.0

Allen D. Nease High School, Ponte Vedra, FL

May 2019

International Baccalaureate Program

Rank: 7/550 **GPA:** 4.80/4.00

- American Youth Character Award (2019)
- St. Augustine City Commission Citizenship Award (2019)

Skills

- **Programming:** Java, JavaScript, HTML, CSS, MATLAB
- **Communication:** Microsoft Word, Excel, PowerPoint
- **Lab:** Titrations, calorimeter calibration, IR spectroscopy, data analysis
- **Instrumentation:** Piano
- **Languages:** English, Gujarati, Spanish, French

Projects

Grand Challenges-Hands Across the Water, Atlanta, GA

August 2019-May 2020

Group Member

- Developing a cost-effective lead service line detection device to detect lead service lines that are in use without excavation

University of Florida Student Science Training Program, Gainesville, FL

June 2018-July 2018

Research Assistant

- Completed independent research project involving improving zeolite design to increase energy efficiency in oil refinement
- Used DFT to calculate energy of crystal and analyzed data to determine optimal proton location
- Submitted to regional science fair

SOUPer Bowl Fundraiser, Ponte Vedra, FL

September 2017- May 2019

Student Ambassador, Student Committee Volunteer, and Volunteer Coordinator

- Annually raises money for the Blessings in a Backpack program for upcoming year, allowing kids to join the program if more qualify
- Organized over 50 restaurants to donate soup
- Organized and helped rally volunteers for various committees
- Raised \$30,000 to fund additional kids for the 2018-2019 school year, \$32,000 for 2019-2020 school year

Leadership

GT ChBE Student Advisory Board

October 2019-May 2020

Social Media Chair

- Handpicked by other board members to serve the Undergraduate Chemical Engineering Department
- Plan events to build sense of community and student-faculty relations

Blessings in a Backpack

August 2017- May 2019

Co-President

- Delivered food weekly for 215 needy children at Webster Elementary School
- Ordered food, minimized spending, purchased, and transported food to school, supervised packing process
- Appeared on the River City Live TV show to increase exposure for the program

National Honor Society

October 2017- May 2019

Vice President

- Raised over \$1000 to promote cancer awareness for Relay for Life Foundation
- Organized successful schoolwide Hurricane Michael Drive
- Started homeless shelter project so members can volunteer on-site
- Organized poinsettia fundraiser, raising \$3,000 for club-sponsored scholarships

Maximo Nivel Volunteer Abroad Program-Peru

June 2017-July 2017

Student Volunteer

- Two-week program teaching English to underprivileged preschoolers in Cusco, Peru