

Ruchi J. Patel

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Education

Georgia Institute of Technology, Atlanta, GA

June 2019 – May 2022 (Expected)

Candidate for Computer Science

- Concentrations in Modeling & Simulation and Information Management
- GPA: 4.0/4.0

Relevant Coursework:

- Computing for Engineers, CS 1371
- Intro to Object-Oriented Programming, CS 1331
- Discrete Math for CS, CS 2050
- Differential Equations, MATH 2552

Skills

- **Programming:** Java, JavaScript, HTML, CSS, MATLAB, Swift, node.js
- **Languages:** English, Gujarati, Spanish, French
- **Lab:** Titrations, calorimeter calibration, IR spectroscopy, data analysis
- **Awards:** American Youth Character Award (2019), St. Augustine City Commission Citizenship Award (2019)

Personal Projects

ruchipatel1.github.io

May 2020 – Present

- Created personal website hosted on GitHub pages largely using HTML & CSS for styling
- Implemented JavaScript to create widget for mobile users

Experience & Leadership

Student Government Association (SGA) IT Board

May 2020 – Present

Internal Tools

- Developing applications to automate processes and support SGA internal operations
- Created Slack apps and maintained sga.gatech.edu, SGA's main website used to communicate with student body
- Created client to parse institute wide emails and post to the subreddit r/gatech

GT ChBE Student Advisory Board

October 2019 – May 2020

Social Media Chair

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

Grand Challenges-Hands Across the Water, Atlanta, GA

August 2019 – May 2020

Group Member

- Developing a cost-effective detection device to detect lead service lines that are in use without excavation
- Communicating with researchers and professionals in infrastructure and academia to improve design and business model

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

Blessings in a Backpack

August 2017 – May 2019

Program Coordinator

- Delivered food weekly for 215 needy children at Webster Elementary School
- Raised \$30,000 to fund additional kids for the 2018-2019 school year, \$32,000 for 2019-2020 school year
- Ran awareness campaigns in several public forums including being interviewed by River City Live TV