

RUCHI PATEL

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EDUCATION

Georgia Institute of Technology

Bachelor of Computer Science

2019 - 2022 (Expected)

Atlanta, GA

- Concentrations: Modeling & Simulation and Information Networks
- GPA: 4.0

Relevant Coursework

- Computing for Engineers
- Data Structures & Algorithms
- Objects & Design
- Object-Oriented Programming
- Discrete Math for CS
- Differential Equations

SKILLS

Programming

Java, JavaScript, HTML, CSS, MATLAB, Swift, Node.js

Tools/Technologies

IntelliJ IDEA, Git, L^AT_EX, Gradle, Xcode

EXPERIENCE

Internal Tools Developer

Student Government Association (SGA) IT Board

May 2020 - Present

Atlanta, GA

- Developing applications to automate processes and support SGA internal operations
- Created Slack app using JavaScript, Slack API, and Heroku server
- Added new pages and maintained sga.gatech.edu, SGA's main website used to communicate with student body
- Created Reddit bot that reads institute wide emails and posts to r/gatech using Java, Gradle, and JavaMail API

Project Team Member

Hands Across the Water

Aug 2019 - May 2020

Atlanta, GA

- Provided cheaper alternative to detect lead pipes to prevent further lead contamination in drinking water
- Developed a cost-effective detection device to detect lead service lines that are in use without excavation
- Communicated with relevant researchers and professionals to improve design and business model

Research Assistant

University of Florida

Jun 2018 - Aug 2018

Gainesville, FL

- Completed independent research project involving improving zeolite design to increase energy efficiency in oil refinement
- Used density functional theory to calculate energy of crystal and analyzed data to determine optimal proton location

LEADERSHIP

Social Media Chair

ChBE Student Advisory Board

Oct 2019 - May 2020

Atlanta, GA

- Planned events to build sense of community and student-faculty relations in ChBE department
- Streamlined ChBE curriculum

Program Coordinator

Blessings in a Backpack

Aug 2017 - May 2019

Ponte Vedra, FL

- 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

AWARDS

- **American Youth Character Award** (2019), awarded to students with exemplary character
- **St. Augustine City Commission Citizenship Award** (2019), recognizes individuals for their leadership and service to their community