

SHUBHAM GUPTA

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EDUCATION

Georgia Institute of Technology
BS Computer Science *GPA: 3.51*

Atlanta, GA
Fall 2017 - May 2020

EXPERIENCE

Software Development Intern at IBM *Littleton, MA* May 2018 - August 2018
– Implemented Automated Java Unit Tests with Mockito and PowerMock
– Increased line coverage from 48% to 98% on a Java EE based REST API.
– Learned React.js concepts for testing.

Intern at Georgia Tech Research Institute *Atlanta, GA* September 2015 - May 2016
– Used Python and the Robot Operating System on a Raspberry Pi
– Created a Chicken Farm Monitoring System with functioning cameras and live stream.

Intern at NCR *Duluth, GA* June 2014 - July 2014
– Created Responsive Websites through Bootstrap for NCR's MADCAP Technical documentation.

PROJECTS

Full Stack Programming *React, Django, Flask, HTML/CSS/JS, Twilio* May 2017 to Present
– Created Personal and eCommerce websites for clients with a Django and Flask
– Added various APIs
– Currently Restructuring my Personal Site with React and blog.

PacMan Project *Python (This is an ongoing project for an Artificial Intelligence Class)* Fall 2018
– Created Search Algorithms and Heuristics for PacMan. Utilized Euclidean and Manhattan distance.

Gameboy Game C Spring 2018
– Created a Gameboy game, FlySwatter, with multiple states for a System Organization class.

PartyAnimal *Raspberry Pi, Flask, MQTT Web Protocol, HTML/CSS, JavaScript* Spring 2018
– Created a system to monitor the Blood Alcohol Content for a party.
– Provided local Uber info

Ball'r *Raspberry Pi, Temperature Sensor, Flask, Ionic* Fall 2017
– Used Raspberry Pi to create a detection system for Testicular Cancer.
– Created a mobile app with Ionic to track Pi data and educate on Male Reproductive Health.

MoneyTalks *Python, Pickle, AWS, Mint API, Amazon Echo, MicroStrategy API* Fall 2017
– Created an Alexa Skill to manage finances.
– Implemented Security with a pass code and location-based security by utilizing the Google Maps API.
– Created a web interface to view an analysis of a user's finances with the MicroStrategy API.

nTime *Arduino, Raspberry Pi, Flask, Python, C* Spring 2017
– Created a device that intelligently wakes up users by estimating possible traffic delays.
– Implemented various Google APIs with Flask on a Raspberry Pi. Used Arduino as an Alarm.

TECHNICAL SKILLS

Languages:

– Python, Java, JavaScript, C, HTML, CSS

Technologies/Frameworks:

– Mockito, PowerMockito, Flask, Django, Git, Android, iOS, MQTT, Bootstrap, Latex, React.js, Arduino, Raspberry Pi, Firebase, SQL, AWS

AWARDS AND ACTIVITIES

- Currently working on the Web App for Georgia Tech's Humour Genome Project. The Web App is built off of Flask and is used to categorize Jokes around the world
- Currently working on developing an Android App in class that tracks Donations
- Currently enrolled in Coursera's Machine Learning Course (Expected Completion: December 2018)
- Won 1st at UGAHacks in Spring 2017 and 2nd in Spring 2018 for nTime and PartyAnimal
- Won BNY Mellon's prize for best Financial Tech Hack at VandyHacks in Fall 2017 for MoneyTalks
- Panther Hackers Tech Committee at Georgia State University, Spring 2017