

Yash Punjabi

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EDUCATION

Georgia Institute of Technology (*Fall 2014 - Spring 2018*)

- Bachelor of Science in Computer Science
- GPA: 4.0
- Relevant Courses: Algorithms and Data Structures, Intro to Artificial Intelligence, Applied Combinatorics, Intro to Computer Systems and Networks

EXPERIENCE

Software Intern, Quantlab Financial, Houston, TX (*Summer 2016*)

- Worked as part of the data engineering team using pair-programming
- Coded using Test Driven Development and the SOLID principles as enforced by company standards
- Pushed code to production, currently running in 5 different continents
- Coded a very extensible Task Scheduler in Java - adding a new task requires writing just one additional class and no changes to existing code
- Wrote packet parsing software to read messages from Stock Exchanges

Teaching Assistant, CS 1331-Intro to Object Oriented Programming, Georgia Tech (*Fall 2015 - present*)

- Mentored and taught a class of 50 students
- Held weekly office hours to help the 600 students taking the course
- Graded exams, homework assignments, and quizzes

PROJECTS

Steganography, Android App

- Winner of the Humanitech Social Good Prize
- Encodes secret information within a base image file using the least significant bits of all 4 ARGB pixel values
- Can be used to get around government surveillance or censorship in areas of unrest
- Coded the front-end of the app following Google Material Design principles

Shake2Meet, Myo Armband / Android App

- Built over 36 hours at HackGT 2015
- Programmed to exchange contact information between two people when it detects them shaking hands
- Used accelerometer data and bluetooth to share information across devices

Reddit Wallpaper Bot, Python & Java

- Scrapes 4chan wallpaper board for wallpapers, downloads and re-hosts on Picasa, submits the link to Reddit.
- 4chan scraper coded in Java using the Jaunt API
- Picasa uploads and Reddit submissions programmed in python using their APIs

LEADERSHIP

Peer Leader (Resident Advisor), Georgia Tech (*Spring 2016 - present*)

- Oversaw over 300 first-year students in Glenn Residence Hall
- Planned and advertised events (barbecues, movie nights, health seminars, etc)
- Mediated conflicts between students and helped forward mental health initiatives on campus

Residence Hall Association, Georgia Tech (*Fall 2014 - present*)

- IT Coordinator, *Executive Board*
 - Automation of various processes using Google Apps Script
 - Web Administrator of rha.gatech.edu
- Student Staff Representative (Freshman Experience), *Executive Board*
- Hall Council Officer

SKILLS / LANGUAGES

- Proficient: Java (Hamcrest, Mockito), Python
- Intermediate: C, Assembly Language, Google Apps Script
- Beginner: Clojure, Ruby, Haskell, Scala, Erlang, Prolog, C++
- Android App Development (intermediate), Web Development (intermediate).
- Software/Skills: Ubuntu, Windows, Git, Solidworks