

Yash Punjabi

329351 Georgia Tech Sta, Atlanta, GA 30332 T: 347 909 4454 E: yashrpunjabi@gatech.edu
www.github.com/yashpunjabi

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

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

PROJECTS

- **Award Winning Android App Steganography** built in 15 hours at the Georgia Tech Appathon 2015
 - Winner of the Humanitech Social Good Prize
 - Hides a secret image file within a base image file. No noticeable difference to the base image
 - Handled the front-end of the app following Google Material Design principles
- **Pacman Artificial Intelligence Project** (Python)
 - Pacman can find food himself using search algorithms (breadth first, depth first, A-star using heuristics)
 - Pacman knows to avoid Ghosts
- Programmed a **Reddit bot** using Reddit and Imgur APIs (Python)
- Programmed a **retro Atari game, M.U.L.E. (Java FX)**
 - Focused on design (such as using UML Domain Model, Context Diagrams, etc)
- Programmed a **Linear Algebra/Matrix Decomposition** helper (Java)
 - Uses LU and QR factorisation
 - Uses Jacobi, Gauss Seidel methods
- Programmed the classic **arcade game Asteroids** (Python)

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, Hamcrest, Mockito

LEADERSHIP

- **Residence Hall Association, Georgia Tech (2014-present)**
 - IT Coordinator (2015)
 - Web Administrator of rha.gatech.edu
 - Automation of various processes using Google Apps Script
 - Student Staff Representative (Peer Leader) to RHA (2016 - present)
 - Hall Council Officer (2014-2015)