

Yashkumar Shiroya

MAJOR

Computer Science

EDUCATION

Graduation: May 2018

PURDUE UNIVERSITY – West Lafayette

- + College Sophomore, Current GPA: 3.35
- + Relevant Courses: Completed- **CS 251**: *Data Structures and Algorithms*, **CS 240**: *C Programming*, **CS 180**: *Introduction to Object Oriented Programming*.
Ongoing: **CS 250**: *Computer Architecture*.

EXPERIENCE

2015 - present

CS 190 TA – UNIX, Tools

- + Introduced and familiarized students with a wide variety of UNIX shells and tools.
- + Taught creative ways of debugging and working in the UNIX environment.

2015 - present

FLATBREADS – Student Associate

- + Provided on duty customer service.
- + Developed effective communication skills with prep team.

PROJECTS

BeatFinder(Ongoing)

Building an Android/SQL app that segments music tracks to users choice so they can listen to selected song segments tailored to the user's choice.

Web Crawler

Designed a bot crawler and HTML parser that runs through various domains and parses their source, collecting useful tag data in various data structures for efficient indexing.

Search Engine

Built AVL Tree, Hash Table based search engine that used Web Crawler to pull relevant data.

GTK Chat Client

Created an IRC chat client using GTK+ GUI toolkit and supported it with C++ back-end.

Android SafeWalk

Developed a native Android application that enables safe nighttime commutes on-campus by smartly pairing individuals with the same campus destination using Java server backbone.

ORGANIZATIONS

Global Science Mentor

Mentored and led a team of incoming freshmen, to help them integrate in the campus activities, infrastructure/facilities so that they can connect better with campus life.

BoilerMake Hackathon Volunteer

Organized the event, coordinated arrangements and aided in managing the overall hackathon framework.

Council for Exceptional Children

Participate and conduct fundraising, back event arrangements to aid children with physical exceptionalities.

SKILLS

Primary Languages

C, C++, Java.

Web/Database

SQL(MySQL, Oracle 10g), HTML5, JavaScript.

Additional

Visual Basic, GTK+ 3.0, Graph Theory, Graph Algorithms.