Yashkumar Shiroya

yshiroya@purdue.edu   LinkedIn : in/yashkumarshiroya   317-801-2373

OBJECTIVE

To obtain an **internship** in the field of computer science for Summer 2017.

EDUCATION

PURDUE UNIVERSITY (*GPA: 3.30*)

Graduation:
May 2018 **(Junior)**

+ Relevant Coursework: **CS 348**: *Information Systems*, **CS 252**: *Systems Programming*, **CS 251**: *Data Structures and Algorithms*, **CS 250**: *Computer Architecture*, **CS 240**: *Programming in C,* **CS 180**: *Introduction to Object Oriented Programming.*

SKILLS

C, C++, Java, Perl, SQL, HTML 5, CSS 3, JavaScript, GTK+ 3.0, JDBC.

EXPERIENCE

Summer 2016

RESEARCH INTERN: DATA ANALYTICS & ML – *Qatar Computing Research Institute*

+ Designed feature extraction methods in Perl to produce a system that predicts credibility and reliability of answers in question/answer situations such as Stack Overflow etc.

+ Tested credibility features in *LibSVM(Perl SVM Library)* to produce calibrated parameters to enable consistent predictions in various question-answer conditions.

Fall 2016 (Present)

TEACHING ASSISTANT, CS 240 – *Programming in C, Purdue University*

+ Taught students problem-solving patterns, debuggers, practices specific to C language.
+ Designed lab programming assignments focused on fundamental and advanced C language projects.

Fall 2015

TEACHING ASSISTANT, CS 190 – *UNIX, Tools, Purdue University*

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

RESEARCH AUTHORSHIP

Aug 2016

(Under Review at COLING 16')

CO-AUTHOR– *Credibility Prediction Research, Qatar Computing Research Institute*

"*Do Not Trust the Trolls: Predicting Credibility in Community Question Answering Forums*" — Nakov, Mihaylova, Màrquez, Shiroya

PROJECTS

FreshPotatoes
(Movie reviews)

Created a movie review application in RoR allowing users to hold private accounts, post movie reviews and get *suggestions* based on movies that they view/rate highly using *Tastekid API.*

JDBC Curriculum Manager

Implemented a *curriculum manager* that tracks students, teachers, courses, dependencies deployed in a SQL backend controlled by Java based client interconnected by *JDBC (Java Database Connectivity Library)* for direct *SQL* database manipulation.

Crawl-Bot

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.

GTK Chat Client

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

ORGANIZATIONS

Purdue Hackers

Core team member of Purdue's largest computer science and leadership organization. Part of team effort to promote campus events such as hackathons and programming events in response to influx of students in the field of Computer Science.

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.