LinkedIn : in/yashkumarshiroya   yshiroya@purdue.edu   West Lafayette, IN, USA

Yashkumar Shiroya

EDUCATION

Graduation: May 2018

PURDUE UNIVERSITY – West Lafayette

+ 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.*

EXPERIENCE

Summer 2016

RESEARCH INTERN: MACHINE LEARNING – *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

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

JDBC Curriculum Manager

Curriculum manager 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.

Terminal (Custom Shell)

Wrote and designed a customized shell that would provide functionality provided by modern linux shells such as Bash written in C/C++ and YACC, LEX.

ORGANIZATIONS

Purdue Hackers

Core team member of Purdue's largest computer science and leadership organization. Conceptualized, led and created 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.

SKILLS

Languages and Frameworks

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