

# Protiva Rahman

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## EDUCATION

The Ohio State University, Columbus, Ohio

Ph.D. in Computer Science and Engineering, Advisor: Arnab Nandi, 2015-present

B.S. in Computer and Information Science, Minor in Mathematics, *cum laude*, 2015

## PUBLICATIONS

- **Protiva Rahman**, Arnab Nandi. TRANSFORMER: A Database-Driven Approach to Generating Forms for Constrained Interaction. *IUI 2019 (acceptance rate: 25%)*.
- **Protiva Rahman**, Courtney Hebert, Arnab Nandi. ICARUS: Minimizing Human Effort in Interactive Completion. *VLDB 2018 (acceptance rate: 17%)*.
- Lilong Jiang, **Protiva Rahman**, Arnab Nandi. Evaluating Interactive Data Systems: Workloads, Metrics, and Guidelines. *SIGMOD 2018 Tutorial*.
- **Protiva Rahman**, Jian Chen, Courtney Hebert, Preeti Pancholi, Mark Lustberg, Kurt Stevenson, Arnab Nandi. Exploratory Visualizations of Rules for Validation of Expert Decisions. *DSIA, co-located with IEEE VIS 2018*.
- **Protiva Rahman**, Courtney Hebert, Arnab Nandi. Enabling Effective Data Interaction for Domain Experts. *IEEE International Conference on Healthcare Informatics (ICHI) PhD Symposium 2018*.
- Courtney M Dewart, Yuan Gao, **Protiva Rahman**, Awa Mbodj, Erinn M Hade, Kurt Stevenson, Courtney Hebert. Penicillin Allergy and Association with Ciprofloxacin Coverage in Community-onset Urinary Tract Infection. *Journal of Infection Control & Hospital Epidemiology 2018*.

## PATENT APPLICATIONS

- Arnab Nandi, **Protiva Rahman**. Rewriting Forms for Constrained Interaction. Patent App # USPTO: 15/855,515

## RESEARCH AND TEACHING EXPERIENCE

**The Ohio State University**, Computer Science & Engineering, Biomedical Informatics

Graduate Research Assistant (*September 2015–present*)

- Enabling Effective Data Interaction for Domain Experts

**The Ohio State University**, Computer Science and Engineering

Grader for Introduction to Programming in Java (*January 2013–April 2013*)

- Graded homework assignments and lab projects for 45 students
- Held office hours to assist students with course work and answered students' questions for labs

## INDUSTRY EXPERIENCE

**Nationwide Financial**, NFIT Reporting and Data Services

Application Developer Intern (*May 2014–August 2014*)

- Developed SQL reports for NF Sales which were critical for their daily business
- Created an Informatica mapping to support show and tell as part of agile cadence
- Created ESP job for Agent Information Management Systems (AIMS) application

## Dahbashi Engineering UAE

Summer Intern (*August 2010 - September 2010*)

- Solved customer problems through phone calls in service department
- Worked on company's management information system

## **AWARDS**

SIGMOD Student Travel Award (2018)

IEEE ICHI Doctoral Consortium Student Travel Award (2018)

Marianna Russell Technology Grant (2017)

CRA-W Grad Cohort (2017)

Data Quality in the Era of Big Data Workshop Travel Fellowship (2016)

ACM-W Grace Hopper Travel Scholarship (2016)

## **LEADERSHIP AND SERVICE**

Society of Women Engineers Graduate Representative (Spring 2018 – Spring 2019)

Women in Engineering Graduate Council (Spring 2017 – Spring 2019)

A Kid Again, Elected Awareness Chair (January 2012 – April 2014)

International Student Organization, Elected Secretary (August 2012 – August 2013)

Phi Beta Kappa

National Residence Hall Honorary

## **ADDITIONAL WORK EXPERIENCE**

**The Ohio State University Housing**, Barrett Complex

Resident Manager (August 2014-April 2015)

- Managed a 24-hour desk which served the residents and guests of a 350-person residence
- Hired, trained, and supervised a staff of 17 student employees
- Conducted staff meetings with a focus on staff development, desk protocol and customer service

**The Ohio State University Housing**, Morrill Tower

Resident Advisor (September 2012-April 2014)

- Enforced residence halls rules to maintain a safe and fun environment for 69 residents
- Organized programs to connect residents to their floor mates and thus build a close-knit community
- Led efforts to organize a building wide program with other Resident Advisors
- Held proactive conversations with residents to assist with their academic needs and concerns

**Le Meridien Dubai**, UAE

Sales and Marketing Intern (May 2013 – June 2013)

- Interacted with magazine editors to build media relations
- Persuaded clients to increase business with the hotel during sales calls
- Executed administrative tasks to ensure smooth proceeding of events

## **SKILLS**

- Java, C++, C, Python, SQL, HTML, Javascript, CSS, Object Oriented Programming
- Fluent in English, Bengali, Hindi and intermediate knowledge of French