

Inzamam K. Rahaman

COMPUTER SCIENTIST · SOFTWARE DEVELOPER

Trinidad and Tobago

✉ firstname.lastname at outlook.com | 🏠 inzamamrahaman.github.io | 📱 InzamamRahaman

Education

The University of the West Indies

St. Augustine, Trinidad and Tobago

M.PHIL COMPUTER SCIENCE

Sept. 2016 (To commence) - TBD

- Primary Supervisor: Prof. Patrick Hosein
- Thesis: TBD

The University of the West Indies

St. Augustine, Trinidad and Tobago

B.SC. COMPUTER SCIENCE

Sept. 2011 - May. 2015

- First Class Honours
- Final Year Project: A Hardware Realisation of a VQ Index Based Steganography Technique

Experience

Trinidad and Tobago Network Information Centre

Trinidad and Tobago

RESEARCH SCIENTIST

Nov. 2015 - Present

- Developed and Evaluated Heuristics for an OSN Stochastic Dynamic Programming Revenue Optimization Problem
- Developed a Discrete Particle Swarm Algorithm to allocate advertisements in a social network
- Proposed a MapReduce based solution to the distribution of advertisements in a social network

The University of the West Indies

St. Augustine, Trinidad and Tobago

TUTOR AND MARKER

Sept. 2015 - Present

- Conducted tutorials and marked for courses in Databases, Internet Technologies, Computer Networking, introductory programming, Software Engineering, and Algorithm Design and Analysis
- Course List: COMP2700, INFO2415, COMP3150, COMP3550, COMP1404, COMP3250, COMP3990, and COMP3000

NASA Ames Reserch Center

Mountain View, CA, U.S.A

INTERN

Jun. 2015 - Aug. 2015

- Developed an application to visualise USGS Earthquake data using the NASA World Wind SDK
- Developed an application for urban management that uses OpenStreetMap data
- Added layers that acted as proxies to OpenStreetMap data for use in geocoding and routing

The University of the West Indies

St. Augustine, Trinidad and Tobago

RESEARCH ASSISTANT

May. 2014 - Aug. 2014

- Cleaned and prepared agricultural data for analysis
- Developed time-series and machine learning models to predict agricultural prices
- Developed an application to visualise agricultural data

The University of the West Indies

St. Augustine, Trinidad and Tobago

UNDERGRADUATE STUDENT HELPER

Jan. 2014 - Apr. 2014

- Helped level 1 Computer Science students at a weekly held helpdesk

Accepted Workshop Papers

Inzamam Rahaman and Patrick Hosein. Using MapReduce for Impression Allocation in Online Social Networks. *To appear in the 12th International Workshop on Mining and Learning on Graphs (co-located with KDD 2016)*. San Francisco, USA. August 2016.

Accepted Conference Papers

Inzamam Rahaman and Patrick Hosein. Heuristics for Advertising Revenue Optimization in Online Social Networks. *IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining*. San Francisco, USA. August 2016.

Inzamam Rahaman and Patrick Hosein. On the Multi-Stage Influence Maximization Problem. *IEEE Latin American Conference on Computational Intelligence*. Cartagena, Colombia. November 2016.

Extracurricular Activity

The University of the West Indies Computing Society

MEMBER & SECRETARY

- Maintained minutes of meetings
- Ensured that regulations were upheld
- Conducted tutorial sessions on technical topics such as \LaTeX , Graph Databases, and Functional Programming
- Invigilated internal programming Olympiad

St. Augustine, Trinidad and Tobago

May. 2014 - Apr. 2015 (As secretary)

Sept. 2011 - Current (As member)

UWI-Digicel CoderDojo

MENTOR

- Taught children aged 6 through 12 to programme using the Scratch visual programming language

St. Augustine, Trinidad and Tobago

Mar. 2014 - Jun. 2014

UWI Functional Programming Group

MENTOR

- Taught level 1 Students functional programming using Racket and Haskell

St. Augustine, Trinidad and Tobago

Sept. 2014 - Nov. 2014

Honors & Awards

2015 **NASA I² Scholarship**

NIHERST

2015 **Fujitsu Ltd. Prize**

DCIT

2015 **Dr. Margaret Bernard-Medullan Prize**

DCIT

Multiple **Dean's Honour Roll**

FST

2012 **3rd Place**, DCIT Runtime

UWICS

2012 **IBM World Trade Prize**

DCIT

Technical Skills

Programming Languages: C, F#, Haskell, Java, JavaScript, \LaTeX , MATLAB, Python, R, Scala, SQL

Hardware Description Languages: VHDL

Databases: MongoDB, MySQL, Neo4j, Oracle, Redis, SQLite

Operating Systems: OSX, Ubuntu, Windows