

# Huzefa Rangwala

## Sample Service Materials

### *University and Departmental Service*

- Chair of the Computer Science Web Development Committee, Spring 2016-Present.
- Member of University-wide Computing Infrastructure Committee, George Mason University, Spring 2017-Present.
- Member of University-wide iPASS leadership Committee, George Mason University, Fall 2013-Present.
- Member of Web Development and Design Committee, Computer Science Department, George Mason University, Fall 2013-Present.
- Computer Science Tenure-Track Faculty Recruiting Committee, Spring 2017.
- Computer Science Tenure-Track Faculty Recruiting Committee, Spring 2016.
- Doctoral Admissions Committee, Fall 2016-Present.
- Applied Information Technology Recruiting Committee, Spring 2015-Summer 2015.
- Computer Science Instructional Faculty Recruiting Committee, Spring 2014.
- GMU Teaching Faculty Excellence Selection Committee, CTFE, George Mason University, Fall 2014-Spring 2015.
- Students as Scholars Assessment and Program Design Subcommittee, George Mason University, Fall 2012-Present.
- Undergraduate Studies Committee, Computer Science Department, George Mason University, Fall 2012-Present.
- Bioengineering Committee, Computer Science Department, George Mason University, Fall 2008-Present.
- Bioengineering Recruiting, Computer Science Department, George Mason University, Fall 2008-Spring 2009.
- Bioengineering Recruiting Committee, Volgenau School of Engineering, George Mason University, Fall 2009-Spring 2010.
- Undergraduate Studies Committee, Computer Science Department, George Mason University, Fall 2009-Spring 2010.
- Guest Speaker for New Faculty, Center for Teaching and Learning Services, George Mason University, Fall 2009.
- Computing Committee, Computer Science Department, George Mason University, Fall 2010-Fall 2015.
- Presentation Teaching Recipes at the Mini-Teaching Symposium organized by the Computer Science Department, George Mason University.

### *Professional Service*

- Panelist at NSF: 2008(1), 2012(1), 2014(2), 2015(1), 2016(3), 2017 (2). ( ) shows the number of panel participations in a year.
- Panelist at NIH: 2017(1).
- Tutorial Chair for the 2017 IEEE International Conference in Data Mining (November 2017).
- Faculty Mentor at the 2017 Broadening Participation In Data Mining, KDD 2017 (August 2017).
- Teaching Data Science Roundtable Lead at the NSF CyberLearning Conference (March 2017).
- Guest Editorial Board for Journal Track of European Conference in Machine Learning (2014,2015,2016).
- Editorial Board Member for Machine Learing Journal (2017-2020).
- Editorial Board Member for Pattern Recognition Journal (2017).
- Editorial Board Member for Eurasip Journal of Bioinformatics and Systems Biology (2015-2017).
- Program Committee Member for KDD, ICDM, SDM, ASONAM, ECML, ICPR (2008-2013), CIKM, DSAA.
- Senior Program Committee Member for BigData (2017).
- Program Chair for the 2015 IEEE Educational Assessment Workshop (November 2015).
- Program Chair for the 2014 NSF Career Writing Workshop held at Arlington, VA (March 2014).
- Program Chair for the 12th International Workshop on Data Mining in Bioinformatics (BioKDD 2013).
- Program Chair for Career Mentoring Network Session and Panel at IEEE International Conference in Data Engineering (ICDE 2012), Washington, DC.
- Local and Sponsorship Chair for IEEE International Conference in Data Engineering (ICDE 2012), Washington, DC.
- Panelists for NSF Graduate Fellowship Review: 2011, 2012, 2013.
- Co-Chair of 1st Knowledge Discovery in Health Care and Medicine Workshop (KD- HCM) held in conjunction with ECML/PKDD September 2011, Athens, Greece.
- Reviewer for journals: BIOINFORMATICS, BMC Bioinformatics, BMC Structural Biology, Proteins, Transactions in Computational Biology and Bioinformatics, Journal of Bioinformatics and Computational Biology, Computers in Biology and Medicine, Journal of Intelligent Information Systems, Journal of Royal Society Interface, EURASIP, Journal of Statistical Analysis and Data Mining, Journal of Parallel and Distributed Computing.

### **Student Mentoring**

#### *Ph.D. Advisees*

**Graduated († - Winners of Computer Science Department's Outstanding Graduate Student Award.**

1. **Dr. Azad Naik**, *Ph.D. in CS*, Fall 2013-Spring 2017. Graduation Date: 02/2017. *Hierarchical Classification with Rare Categories and Inconsistencies*. Now: Data Scientist, Microsoft.

2. **Dr. Anveshi Charuvaka** <sup>†</sup>, *Ph.D. in CS*, Fall 2009-Fall 2015. Graduation Date: 09/2017. *Regularized Learning in Multiple Tasks With Relationships*. Now: Research Scientist, GE Global Research.
3. **Dr. Tanwistha Saha**, *Ph.D. in CS*, (Co-Advised with Prof. Domeniconi), Summer 2009-Fall 2014. Graduation Date: 11/2014. *Learning in Relational Networks*. Now: Advanced Analytics Development and Deployment Engineer (R&D), Intel Corporation.
4. **Dr. Samuel Blasiak** <sup>†</sup>, *Ph.D. in CS*, Summer 2010-Fall 2013. Graduation Date: 08/2013. *Thesis: Latent Variable Models of Sequences for Classification and Discovery*. Now: Software Engineer at Google, Inc.
5. **Dr. Zeehasham Rasheed**, *Ph.D. in CS*, Spring 2010-Spring 2013. Graduation Date: 04/2013. *Thesis: Data Mining Framework for Metagenome Analysis..* Now: Data Scientist at AOL, Inc.
6. **Dr. Nuttachat Wisittipanit**, *Ph.D. in BINF*, (Co-Advised with Prof. Gillevet), Spring 2009-Spring 2012. Graduation Date: 03/2012. *Thesis: Machine Learning Approach for Profiling Human Microbiome*.

### In Progress

1. **Ms. Zhiyun Ren**, *Ph.D. in CS*, Fall 2014-Present.
2. **Mr. Qian Hu**, *Ph.D. in CS*, Fall 2015-Present.
3. **Mr. Mohammad Arifur Rahman**, *Ph.D. in CS*, Fall 2015-Present.

### *M.S. Thesis Advisees*

### Graduated

1. **Mackenzie Sweeney**, *M.S. in CS*, Spring 2015-Summer 2016. *Thesis: Intelligent Degree Planning Systems: Advancements in Personalized Achievability Rating*.
2. **Nikhil Muralidhar**, *M.S. in CS*, Spring 2014-Fall 2015. *Thesis: Recommending Temporally Relevant News Content Using Implicit Feedback Data: A Tag-based Approach*.
3. **Azad Naik**, *M.S. in CS*, Fall 2012-Spring 2013. *Thesis: Using Multi-Task Learning for Large-Scale Document Classification*.
4. **Syed Mahmood**, *M.S. in CS*, Fall 2009-Fall 2012. *Thesis: GPU-based Eulerian Assembly of Genomes*.
5. **Ammar Naqvi**, *M.S. in BINF*, (Co-Advised with Prof. Gillevet), Spring 2009-Fall 2009. *Thesis: Understanding and analyzing the human microbiome: taxonomy identification and potential interactions*.
6. **Salman Jamali**, *M.S. in CS*, Spring 2009-Summer 2009. *Thesis: Comment Mining, Popularity Prediction and Social Network Analysis*.

### In Progress

1. **Sneha Nagpaul**, *M.S. in CS*, Spring 2017-Present.

*M.S. Project Advisees*

1. **Darron Fuller**, *M.S. in Data Analytics Engineering*, Spring 2017.
2. **Kyle Jackson**, *M.S. in Data Analytics Engineering*, Spring 2017.
3. **Na-Young Shin**, *M.S. in BINF*, Fall 2010.
4. **Ronak Shah**, *M.S. in BINF*, Spring 2010.
5. **Shanmuga Chiripiralla**, *M.S. in BINF*, Spring 2010.
6. **Rithika Ganni**, *M.S. in BINF*, Spring 2010.
7. **Meher Boorgula**, *M.S. in BINF*, Spring 2010.

*Undergraduate Mentees*

1. **Nathan LaPierre**, *B.S. in CS*, Fall 2015-Summer 2016 (Sponsor: NSF).
2. **Abigail Justen**, *B.S. in CS*, Summer 2016. (Sponsor: NSF BIGDATA).
3. **Thi Nguyen**, *B.S. in CS*, Summer 2016. (Sponsor: NSF BIGDATA).
4. **Ameer Takaddein**, *B.S. in CS*, Summer 2016. (Sponsor: NSF BIGDATA).
5. **Jason Ko**, *B.S. in CS*, Summer 2016. (Sponsor: NSF BIGDATA).
6. **Michel Jean Rouly**, *B.S. in CS*, Summer 2015 (Sponsor: NSF).
7. **Anisha Kolla**, *B.S. in CS*, Spring 2013. (Sponsor: URSP, OSCAR, GMU).
8. **Hozaifah Zafar**, *B.S. in CS*, Spring 2013-Present. (Sponsor: USRP, OSCAR, GMU).
9. **Emily Eastlake**, *B.S. in BENG*, Summer 2012. (Sponsor: SURE Program, Bioengineering, GMU).
10. **Liban Hassan**, *B.S. in ECE*, Summer 2011. (Sponsor: NSF LSAMP Program, GMU).
11. **Amanda Zouzolou**, *B.S. in BENG*, Summer 2011. (Sponsor: SURE Program, Bioengineering, GMU).
12. **Roderick Tolbert**, *B.S. in CS*, Summer 2011. (Sponsor: NSF REU to Rangwala).
13. **Charles Sweet**, *B.S. in CS*, Summer 2010-Fall 2012. (Sponsor: UAP Program, GMU).
14. **Minh Bui**, *B.S. in CS*, Summer 2010. (Sponsor: UAP Program, GMU).

*High School Mentees*

1. **Rupali Dhumne** *Thomas Jefferson High School, Alexandria, VA*, Fall 2015-Spring 2016.
2. **Mr. Daniel McKinney** *Thomas Jefferson High School, Alexandria, VA*, Fall 2014.
3. **Mr. Ashwin Sekar**, *Poolesville Maryland High School, MD*, Summer 2013.
4. **Mr. Eric Tao**, *Thomas Jefferson High School, Alexandria, VA*, Summer 2010-Fall 2012.
5. **Mr. Abbas Idris**, *Governor's School, Prince William, VA*, Fall 2011-Spring 2012.

*Student Committee Membership (Besides Advisees). † - students at Virginia Tech. University.*

Student	Program	Advisor	Grad. Date
<b>Matt Revelle</b>	Ph.D. in Computer Science	Carlotta Domeniconi	-
<b>Christopher Siwy</b>	Ph.D. in Bioinformatics	Dmitri Klimov	-
<b>Cheol Young Park</b>	Ph.D. in Information Technology	Kathryn Laskey	-
<b>Arsalan Mousavian</b>	Ph.D. in Computer Science	Jana Kosecka	-
<b>Rohan Patil</b>	Ph.D. in Bioinformatics	Patrick Gillevet	-
<b>Xing Wang</b>	Ph.D. in Computer Science	Jessica Lin	-
<b>Rohan Khade</b>	Ph.D. in Computer Science	Jessica Lin	-
<b>Wei Wang†</b>	Ph.D. in Computer Science	Naren Ramakrishnan	-
<b>Yue Ning†</b>	Ph.D. in Computer Science	Naren Ramakrishnan	-
<b>Sujal Dash†</b>	Ph.D. in Computer Science	Wuchun Feng	-
<b>Dr. Upsorn Praphamontipong</b>	Ph.D. in Information Technology	Jeff Offutt	Spring 2017
<b>Dr. Irina Hashmi</b>	Ph.D. in Computer Science	Amarda Shehu	Fall 2015
<b>Dr. Keith Sullivan</b>	Ph.D. in Computer Science	Sean Luke	Spring 2015
<b>Dr. Charles Weko</b>	Ph.D. in Statistics	Anand Vidyashankar	Spring 2015
<b>Dr. Gautum Singh</b>	Ph.D. in Computer Science	Jana Kosecka	Fall 2014
<b>Dr. Joshua Church</b>	Ph.D. in Information Technology	Ami Motro	Fall 2014
<b>Dr. Daniel Saxton</b>	Ph.D. in Statistics	Anand Vidyashankar	Spring 2014
<b>Dr. Hoang Minh Tuan</b>	Ph.D. in Bioinformatics	Saleet Jaffri	Summer 2014
<b>Dr. Nada Baset</b>	Ph.D. in Computer Science	Harry Wechsler	Fall 2012.
<b>Dr. Andmorgan Fisher</b>	Ph.D. in Environmental Sciences	Patrick Gillevet	Fall 2012.
<b>Dr. Sean Smith</b>	Ph.D. in Bioinformatics	Patrick Gillevet	Fall 2011.
<b>Dr. Pu Wang</b>	Ph.D. in Computer Science	Carlotta Domeniconi	Spring 2011
<b>Dr. Andrew Heekin</b>	Ph.D. in Bioinformatics	Patrick Gillevet	Summer 2011.
<b>Dr. Keenan Amundsen</b>	Ph.D. in Bioinformatics	Don Seto	Fall 2009.

### *Faculty Mentoring*

#### *Computer Science Department*

- Prof. Yotam Gingold, Fall 2013-Present.
- Prof. Mark Snyder, Fall 2014-Present.
- Prof. Thomas Latoza, Fall 2015-Present.
- Prof. Song Min Kim, Fall 2016-Present.
- Prof. Parth Pathak, Fall 2016-present.
- Prof. Jonathan Bell, Fall 2016-Present.

#### *Across University*

- Prof. Carolina Salvador Morales, Bioengineering,

- Assisted Prof. Parag Chitnis (Bioengineering) in Drafting CAREER proposal (Spring 2017).

Last updated: July 21, 2017