Mohammad Shabbir Hasan

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| **Objective** | To become a successful researcher in Computer Science and build up a carrier as an academician. | | |
| **Research Interest** | Bioinformatics, Computational Biology, Database, Software Engineering. | | |
| **Highlights of Qualification** | * Four years of experience in doing quality research in Bioinformatics, Computational Biology, Software Engineering and Web Applications. * One and half year experience as a teaching assistant in the Computer Science department in the University of Akron. * Two years of experience as a faculty member of Computer Science in the Asian University of Bangladesh and Institute of Science, Trade and Technology, Dhaka, Bangladesh. * Obtained a good position in the world ranking of the ACM UVA Online Judge programming contest. * Participated in the ACM International Collegiate Programming Contest (ICPC) and other inter university programming contests. * Participated in the BASIS SOFTEXPO, the largest software fair of Bangladesh for academic project show. * Effective communication skills in English were developed through writing and publishing several articles in world leading journals and conference proceedings. * Demonstrated strong interpersonal skills through successful collaboration with other functional groups of the institute in service | | |
| **Education** | * **The University of Akron, USA**   M.S. in Computer Science. August 2011-present   * **Khulna University of Engineering and Technology, Bangladesh**   B.Sc. (Engg.) in Computer Science and Engineering, March 2008. | | |
| **Selected Publications** | **Journal**  **[JL04]** **Mohammad Shabbir Hasan**, Qi Liu, Han Wang, John Fazekas, Bernard Chen and Dongsheng Che. GIST: Genomic Island Suite of Tools for predicting genomic islands in genomic sequences. Bioinformation, Volume 8:4, pp. 203-205, February 2012.  **[JL03]** Dongsheng Che, **Mohammad Shabbir Hasan**, Han Wang, John Fazekas, Jinling Huang and Qi Liu, EGID: an ensemble algorithm for improved genomic island detection in genomic sequences, Bioinformation, Volume 7:6, pp. 311-314, November 2011.  **[JL02]** **Mohammad Shabbir Hasan**, Quazi Farhan and Abdullah Al Mahmood, An Exploratory and Feasibility Study of Implementing Online Based Voting System in Bangladesh, International Journal of Computer Science and Emerging Technologies, Volume 1:3, pp. 125-132, October 2010.  **[JL01]** K. M. Azharul Hasan and **Mohammad Shabbir Hasan**, A Parsing Scheme for Finding the Design Pattern and Reducing the Development Cost of Reusable Object Oriented Software, International Journal on Computer Science and Information Technology, Volume 2:3, pp. 40-54, June 2010.  **Conference Proceedings**  **[CP05]** Dongsheng Che, **Mohammad Shabbir Hasan**, Han Wang, Bernard Chen and Yong Wei, M Are Better Than One: An Ensemble Method For Genomic Island Prediction, 6th International Conference on Bioinformatics and Biomedical Engineering 2012, Shanghai, China, May 2012.  **[CP04]** **Mohammad Shabbir Hasan**, Abdullah Al Mahmood and Quazi Farhan, A Roadmap towards the Implementation of an Efficient Online Voting System in Bangladesh, International Conference on Software Engineering and Computational Intelligence 2010, Wuhan, China, December 2010.  **[CP03]** **Mohammad Shabbir Hasan** and K.M. Azharul Hasan, Determining the Most Effective Class for Extending Reusability of Object Oriented System, International Conference on Educational and Information Technology 2010, Chongqing, China, pp. V2: 498-502, September 2010.  **[CP02]** K.M. Azharul Hasan and **Mohammad Shabbir Hasan**, Principal Component Analysis of Coupling Measures for Developing High Quality Object Oriented Software, 3rd International Conference on Computer and Communication Engineering 2010, Kuala Lumpur, Malaysia, pp. 217-222, July 2010.  **[CP01]** **Mohammad Shabbir Hasan** and K.M. Azharul Hasan, Finding the Design Pattern from the Source Code for Developing Reusable Object Oriented Software, 2nd International Conference on the Applications of Digital Information and Web Technologies 2009, London, UK, pp. 157-162, August 2009. | | |
| **Employment** | * **The University of Akron**   *Graduate Teaching Assistant,*  *Department of Computer Science* | | **08/2011-present** |
| * **East Stroudsburg University of Pennsylvania**   *Research Assistant,*  *Department of Computer Science* | | **01/2011-08/2011** |
| * **Institute of Science, Trade and Technology**   *Lecturer,*  *Department of Computer Science and Engineering* | | **01/2010-12/2010** |
| * **Asian University of Bangladesh**   *Lecturer,*  *Department of Computer Science and Engineering* | | **05/2008-08/2009** |
| **Teaching Experience** | * **The University of Akron**   **Responsibilities:**   * + Assisting professors in 3460: 635 (Advanced Algorithms), 3460:435 (Algorithms), 3460:316 (Data Structures) and 3460:210 (Computer Science II).   + Grading assignments and projects. | | |
| * **Institute of Science, Trade and Technology**   **Responsibilities:**   * Taught undergraduate level course on Data Structure and Algorithms, Microprocessor. * Was Responsible for lectures, exams, homework, assignments, and grades. | | |
| * **Asian University of Bangladesh**   **Responsibilities:**   * Taught undergraduate level course on Design and Analysis of Algorithms, Web Programming, Programming Language, Discrete Mathematics, Artificial Intelligence. * Was responsible for lectures, exams, homework, assignments, and grades. | | |
| **Research Projects** | * Classification of Genomic Islands based on gene functions * Phylogenetic Analysis of West Nile virus found in North America and Europe * Microarray Data Analysis for cancer cell identification using data mining approach * EGID: An Ensemble Algorithm for Genomic Island Detection * GIST: Genomic Island Suite of Tools * Finding Design Pattern from source code for an Object Oriented System. | | |
| **Computer Skills** | * **Programming Languages**: Java, C, PHP, MS SQL, MySQL, C++, and HTML. * **Operating System:** Windows, Linux (Fedora and Ubuntu) * **Content Management System:** Joomla * **Tools:** Adobe Dreamweaver, Subversion (SVN). | | |
| **References** | Available upon request | | |