

# Tajmilur Rahman, PhD

## Short Biography

Tajmilur Rahman, PhD, is an assistant professor in the department of Computer and Information Science at Gannon University in Erie, Pennsylvania, United States. His overarching research interest is to investigate release engineering practices in software systems. His research works are driven by the desire to determine the empirical factors that lead to a successful software development and release. His research interests also include software engineering & data science, understanding the significance of software architecture for long lasting software systems, and providing tool support to the community to nurture software feature architecture. Dr. Rahman is the first author who extracted feature-architecture while understanding the best practices of feature management and its impact on software architecture, which is another major research interest of his. Understanding and visualizing feature architecture is necessary to advance software development and engineering by maintaining a controlled architectural growth of software systems. Dr. Rahman is currently focusing on the following research areas: software feature-architecture, release management, software quality prediction, in rapid-release, developing knowledge-base to predict potential architectural drift, software engineering education.

Dr. Rahman received his doctorate degree in 2018 from Concordia University. As a doctoral student he worked on empirical understanding on software projects with various lengths of release cycle, he extracted feature-architecture of Google Chrome web browser, he updated the 12 years old browser reference architecture and also he was working on software quality due to post-release bugs in a trunk based development environment.