

Justin F. Brunelle, Ph.D.
Principal Researcher; Adjunct Assistant Professor

EDUCATION

Old Dominion University, Computer Science, PhD, 2010-2016
Scripts in a Frame: A Two-Tiered Crawling Approach for Archiving Deferred Representations
Old Dominion University, Computer Science, MS 2010
Old Dominion University, Computer Science, BS, 2008

BIO

Accomplished researcher and leader of sponsor-facing and internal R&D projects.
Research Interests: Web Science, Cloud Computing, Data Mining, Big Data

PRIOR WORK EXPERIENCE

Principal Researcher - The MITRE Corporation, Agile Innovation and Engineering department within the Software Engineering Tech Center (February 2010 - present)

- Division Technical Integrator, overseeing quality and alignment of research proposals in the Software Engineering Tech Center (over 400 employees)
- Emerging technologies researcher, cloud specialist
- Organizer & Chair, MITRE-ATARC Collaboration Sessions at the Federal Technology Summit Series and publications; corporate lead for ATARC engagement
- PI/Co-PI of several Web Science and Cloud Computing research projects
- Task lead for emerging technology research projects in support of Federal Government Sponsors
- Multiple recognition awards

Adjunct Assistant Professor - Old Dominion University (August 2016 - present)

- Designed and taught graduate web programming course

Adjunct Instructor - Tidewater Community College (July 2008 - August 2009)

- Designed and taught web development, Modeling and Simulation for game development

Web Science Research Assistant - WS-DL Group, ODU (August 2010 - May 2016)

- Over 15 peer-reviewed publications

Lead Developer - iSTART (June 2003 - May 2010)

- Developed web-based multi- and single-player serious game applications for iSTART

PROFESSIONAL AFFILIATIONS

BSA Eagle Scout (2003)
Program/Planning Committee Member for FLAIRS, JCDL Conferences, IJDL, IARA
Active participant in ACM, JCDL, TPD, iPRES conferences, Web Archiving Workshops

SELECTED PUBLICATIONS

- Multiple non-releasable technical reports per year
- “Natural Language Processing Tools” Justin F. Brunelle and Chutima Boonthum-Denecke. *Cross-Disciplinary Advances in Applied Natural Language Processing: Issues and Approaches*. IGI Global, 2012. 9-23. Web. 7 Mar. 2012. doi:10.4018/978-1-61350-447-5.ch002
- Justin F. Brunelle, Michele C. Weigle, and Michael L. Nelson, Archiving Deferred Representations Using a Two-Tiered Crawling Approach, *Proceedings of iPRES 2015*, (Also available as Technical Report arXiv:1508.02315).
- Justin F. Brunelle, Mat Kelly, Hany SalahEldeen, Michele C. Weigle, and Michael L. Nelson “Not All Mementos Are Created Equal: Measuring The Impact Of Missing Resources”, 2014, *Proceedings of DL2014* (Best student paper)