

Justin F. Brunelle, Ph.D.

Chief Scientist, Software Engineering Innovation Center (The MITRE Corporation)
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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

SHORT BIO

- Recognized and accomplished researcher and technical leader with experience solving the government's toughest challenges through directed and internal research and development projects aligned with Federal Funded Research and Development Center missions.
- Seeking a position focused on technology-driven research and development.
- Research Interests: Web Science, Government-focused Innovation, Data Mining

WORK EXPERIENCE

Chief Scientist - The MITRE Corporation, Software Engineering Center (2010 - present)

- Responsible for internal and external research presence and activities. Set the technical strategy for the 500+ staff in the Software Engineering Innovation Center, including strategies for early career staff growth, technical career advancement, and research and capability development investments.
- Principal Investigator of multiple IR&D and government-directed research projects. Primarily focused on web science, technology-focused government innovation, and other emerging technologies research supporting government sponsor missions.
- Multiple recognition awards annually, including ODU Alumni Association's 40 Under 40 Award.

Adjunct Assistant Professor - Old Dominion University (Aug. 2016 - Dec. 2019)

- Designed and taught graduate web programming and doctoral emerging technology courses

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

- Over 15 peer-reviewed publications in web sciences conferences and journals

Adjunct Instructor - Tidewater Community College (July 2008 - Aug. 2009)

- Designed and taught web development and modeling and simulation for game development

Lead Developer - iSTART (June 2003 - May 2010)

- Lead a team to develop web-based multi- and single-player serious game applications

PROFESSIONAL ACTIVITIES

BSA Eagle Scout (2003)

Advisory board, ODU Department of Computer Science (2019-present)

Program/Planning Committee Member for multiple conferences and journals (ongoing)

Frequent invited speaker at various technical and government events (ongoing)

SELECTED PUBLICATIONS

- "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.
- Justin F. Brunelle, Daniel Frisk, Benjamin Mayer, Paula Randall, Awais Sheikh "Measuring the Impact of Innovation Activities in Government", *Defense Acquisition Research Journal*, October 2020, issue 94. (2nd place, Hirsch Competition.)
- 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)
- Justin F. Brunelle, Ryan Farley, Grant Atkins, Trevor Bostic, Marites Hendrix, Zak Zebrowski "A Framework for Archiving the Dark Web", *WARCNet 2022*, 2022.