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| Objective |  |  |
| Experienced teacher, leader, manager, and learner seeks company to analyze marketing or health data for profit. | | |
| Education |  |  |
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| Data Science Specialization | Johns Hopkins University | Expected August 2015 |
| R Training | Georgia R School | 2010-2011 |
| Ph.D. | Rensselaer Polytechnic Institute | December 2005 |
| M.S. Information Technology | Rensselaer Polytechnic Institute | December 2004 |
| M.S. Accounting | Binghamton University | May 1997 |
| B.S. Finance | University of Missouri | December 1990 |
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| Experience |  |  |
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| **Embryonic Data Scientist** | **Second Career Preparation** | **Sep 2014 - present** |
| Responsibilities: Packaging data science portfolio. Clarifying and extending statistical and algorithmic machine | | |
| learning knowledge. Understanding data science states of the market and art. | | |
| Skills: Proficient in R and Java, “20th century” statistics, and decision sciences research. Becoming proficient in Python | | |
| and statistical and algorithmic machine learning techniques and tools. | | |
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| **Assistant Professor** | **Susquehanna University** | **Sep 2013 – August 2014** |
| Responsibilities: Attempted to build virtual simulation environment at the intersection of cognitive science, | | |
| computational linguistics, AI, and social psychology. Codified English grammar. Taught software engineering. | | |
| Skills: Ontology development. Natural language processing (NLP). Cognitive agent programming. Knowledge engineering. Resource Description Framework (RDF). Web Ontology Language (OWL). Belief-Desire-Intention model. | | |
| Java, R, SPARQL, PrepNet, Python, Markdown, Shiny, UML, Apache Jena, OpenNLP, CoreNLP, NLTK, OWLIM/GraphDB, | | |
| NEO4J, Sesame, Protege, TopBraid Composer, WordNet, VerbNet, FrameNet, LMF, Lexinfo. | | |
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| **Visiting Assistant Professor** | **University of Pittsburgh** | **Sep 2008 – August 2013** |
| Responsibilities: Led emerging technologies projects. Studied individual and group problem solving. Taught | | |
| project management, analytics, software engineering, and information systems management. | | |
| Skills: Led employees, vendors, customers, peers, and students. Designed, developed and used information systems. | | |
| Assessed and evaluated technology. Managed projects and schedules. Designed, planned, and coordinated program | | |
| deliverables to achieve organizational objectives. Communicated results. Developed software based upon analysis of individuals , teams, and underlying literatures. | | |
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| **Assistant Professor** | **Marist College** | **July 2005 – August 2008** |
| Responsibilities: Led information systems projects at NXP Semiconductors and IBM corporation. Met with stakeholders | | |
| to discuss user needs and reach consensus on product needs. Analyzed user needs across diverse | | |
| stakeholder groups to identify common solutions. Translated broad concepts into specific system requirements to | | |
| assure customer needs are met. Identified analytics needs and elicited requirements with customers. Prioritized | | |
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| Experience (continued) |  |  |
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| **Clinical Assistant Professor** | **Rensselaer Polytechnic** | **Jan 2001 – June 2005** |
| Responsibilities: Used software design patterns. Assured quality (e.g., security, reliability, usability). Built UML Use | | |
| Case, Activity, Sequence, Communication, State, and Component diagrams. Used IEEE Standards for software quality | | |
| assurance, quality metrics, test documentation, unit testing, verification and validation, reviews, user documentation, | | |
| and configuration management. Developed standard data nomenclature, definitions, and valid values for existing data | | |
| elements. Created and reviewed functional requirements and conducted quality assurance on software. Performed | | |
| software life cycle management and acceptance testing. | | |
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| **Systems Analyst** | **Rensselaer Polytechnic** | **Sep 1997 – Dec 2000** |
| Responsibilities: Coordinated student records extraction, transformation, and loading from legacy to ERP. 1.4 million | | |
| person/course units converted. 68,000 student records converted. 44,000 degrees. Developed application providing | | |
| sample student records for conversion audit. Created application to show registered students' detail given various | | |
| student characteristics. Created application to show degrees/honors per student given various student characteristics. | | |
| Developed data warehouse. | | |
| Skills: Oracle, Brio, Informatica, SCT Banner, Sequiter, SQL, PL/SQL. | | |
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| **Entrepreneur** | **Achaean Technology** | **Jan 1998 – Dec 2000** |
| Responsibilities: Led small company. Developed and marketed prototype of first web-capable | | |
| enterprise system for managers of social service agencies providing care to otherwise-abled patrons. | | |
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| **Accountant** | **IBM Corporation** | **May 1990 – May 1994** |
| Distributed $3,000,000,000 annually. Analyzed business processes. Proposed business process | | |
| improvements. Implemented business process improvements. | | |
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| **Active Duty Enlisted** | **U.S. Army** | **Aug 1985 – Aug 1987** |
| Served as radio operator to finish paying for undergraduate education. Honorable discharge. | | |
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| **Assembly Line Worker** | **Westinghouse, Inc.** | **Jan 1984 – July 1984** |
| Tended electricity transformer production paint line to pay for undergraduate education. | | |
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| **Farmer** | **Self-employed** | **August 1982 – August 1983** |
| Raised and sold swine. | | |
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| References | | |
|  | | |
| **Brian S. Butler, Ph.D.** | **University of Maryland** | **(301) 405-8619** |
| Professor | College of Information Studies | [bsbutler@umd.edu](mailto:bsbutler@umd.edu) |
|  | Smith School of Business |  |
|  |  |  |
| **William (Bill) E. Hefley, Ph.D.** | **University of Pittsburgh** | **(412) 383-9011** |
| Associate Clinical Professor | Katz School of Business | [wehefley@katz.pitt.edu](mailto:wehefley@katz.pitt.edu) |
|  |  |  |
| **William (Al) A. Wallace, Ph.D.** | **Rensselaer Polytechnic** | **(518) 276-6854** |
| Yamada Corporation Professor | Industrial/Systems Engineering | [wallaw@rpi.edu](mailto:wallaw@rpi.edu) |