Russell W. Robbins, Ph.D.
345 Sunset Drive, Selinsgrove, PA 17870
570-884-3647, russ.robbins@outlook.com
http://robbinsr.github.io

OBJECTIVE

Experienced teacher, leader, manager, and learner seeks company to analyze marketing or health data for profit.

EDUCATION

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

EXPERIENCE

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.

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.

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.

                                Marist College   **July 2005 – August 2008**
Assistant Professor
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

EXPERIENCE (CONTINUED)

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Clinical Assistant Professor **Rensselaer Polytechnic** **Jan 2001 – June 2005**

<u>Responsibilities</u>: 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.

Systems Analyst **Rensselaer Polytechnic** **Sep 1997 – Dec 2000**

<u>Responsibilities</u>: 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.

<u>Skills</u>: Oracle, Brio, Informatica, SCT Banner, Sequiter, SQL, PL/SQL.

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.

Accountant **IBM Corporation** **May 1990 – May 1994**

Distributed $3,000,000,000 annually. Analyzed business processes. Proposed business process improvements. Implemented business process improvements.

Active Duty Enlisted **U.S. Army** **Aug 1985 – Aug 1987**

Served as radio operator to finish paying for undergraduate education. Honorable discharge.

Assembly Line Worker **Westinghouse, Inc.** **Jan 1984 – July 1984**

Tended electricity transformer production paint line to pay for undergraduate education.

Farmer **Self-employed** **August 1982 – August 1983**

Raised and sold swine.

REFERENCES

Brian S. Butler, Ph.D.	**University of Maryland**	**(301) 405-8619**
Professor	College of Information Studies	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

William (Al) A. Wallace, Ph.D.	**Rensselaer Polytechnic**	**(518) 276-6854**
Yamada Corporation Professor	Industrial/Systems Engineering	wallaw@rpi.edu