

## RÉSUMÉ

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## EXPERIENCE

11/2016 – 12/2017

### **Application Developer 2**

Public School Employees' Retirement System  
Harrisburg, PA

SUMMARY: Learned pension administration system from the bottom, up. Read thousands of documents. Analyzed thousands of programs. Used thousands of data sources. Managed 95+ tests. Identified 109+ bugs.

#### KEY CONTRIBUTION:

- Built program, that for the first time, represented, in one place, interdependencies among all pension administration system requirements.

9/2014 – 10/2016

### **Unemployed**

Selinsgrove, PA

SUMMARY: Vigorously sought employment and completed training in quantitative analyses methods. Completed programs and courses at University of California-Berkeley, Johns Hopkins University, University of Washington, University of California-San Diego.

#### KEY CONTRIBUTIONS:

- Earned Big Data certificate from the University of California, Berkeley and edX.
- Earned Data Science certificate from Johns Hopkins University and Coursera.

#### SELECT DETAILS:

- Built and documented repeatable data processing pipelines.
- Built a program that writes parser programs for the National Health Interview Survey Data.
- Reduced statistical model dimensions.
- Assessed the accuracy of statistical functions in R.
- Completed coursework at the University of Pennsylvania's Wharton School and Coursera.
- Completed coursework at the University of Washington and Coursera.

03/2016 – 06/2016

### **Sales Associate**

Bill MacInyre Chevrolet Buick  
Lock Haven, PA

EXPERIENCE (continued)

10/2016 – 10/2016

**Artificial Stone Packer**

PlyGem Industries

Penn's Creek, PA

08/2013-08/2014

**Assistant Professor**

Susquehanna University

Selinsgrove, PA

SUMMARY: As instructor of information systems analysis course, rebuilt course around active, feedback-oriented, experiences.

KEY CONTRIBUTION:

- Designed, implemented, and assessed instructional system.

08/2008-08/2013

**Visiting Assistant Professor**

University of Pittsburgh

Pittsburgh, PA

SUMMARY: Managed all aspects of multiple technology training programs. Created and improved SAP instructional system solution. Taught students project management, data analysis, and management.

KEY CONTRIBUTIONS:

- Designed, implemented, and assessed core program in bachelor's program.
- Designed, implemented, and assessed core program in master's program.
- Designed, implemented, and assessed media-rich immersive instructional system.
- Designed, implemented, and assessed ethics instructional system.

SELECT DETAILS:

- Managed \$101,491 budget, a 3-year schedule, 10 staff, 200+ students, and 100+ requirements.
- Managed a \$23,000 budget, short schedules, and 7 stakeholders. Supervised 20+ people.
- Managed \$20,000 budget, 2-year schedule, 10+ stakeholders and 100+ requirements.
- Managed a \$5,200 budget, short schedules, 1000+ students, and 100+ requirements.
- Used collaboration best practices and software discovered in projects to evaluate team technologies, product comparisons, and leadership/member competency assessments.
- Built blended learning to help students learn business process optimization.
- Collaboratively built 4 courses, 10 cases, and two systems.
- Used learning gain tests.
- Described how curriculum was grounded in ethics, knowledge, and cognitive theories.
- Described assessment of curriculum using theories.
- Integrated media rich collaborative environment, instructional design, and case based learning.
- Published, and successfully obtained funding.
- Developed relationship with UPMC.

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### EXPERIENCE (continued)

08/2005-08/2008

**Assistant Professor**

Marist College

Poughkeepsie, NY

SUMMARY: Managed all aspects of multiple technology training programs. Taught students project management, systems analysis, management, and information literacy.

KEY CONTRIBUTIONS:

- Designed, implemented, and assessed multiple experiential learning programs.
- Built, implemented assessed multidimensional rubric for assessing programs.
- Designed, collaboratively masters in technology management program.
- Developed relationships with Philips Electronics and International Business Machines.
- Published.
- Successfully sought funding.

01/1999 – 06/2005

**Adjunct Instructor** and subsequently, **Clinical Assistant Professor**

Rensselaer Polytechnic Institute

Troy, NY

SUMMARY: Designed, implemented, and assessed multiple experiential learning programs.

KEY CONTRIBUTIONS:

- Developed relationships with MapInfo, Inc. and General Electric Corporation.
- Published.

01/1998 – 12/2000

**Project Manager**

Achaean Technology

Watervliet, NY

SUMMARY: Developed software to support operations of social service agencies.

09/1997 – 12/2000

**Systems Analyst**

Rensselaer Polytechnic Institute

Troy, NY

SUMMARY: Coordinated student records extraction, transformation, and loading from legacy to ERP.

05/1990 – 05/1994

IBM

**Accountant**

Endicott, NY 13760

Robbins

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### EXPERIENCE (continued)

05-1988 – 08/1988

**Customer Service Representative**

United Parcel Service

Earth City, MO

08/1985 – 08/1987

**31K Combat Signaler**

United States Army

Fort Huachuca, AZ

01/1984 – 07/1984

**Assembly Line Employee**

Westinghouse, Inc.

Holts Summit, MO 65043

09/1982 – 08/1983

**Farmer**

Razorback Enterprises

Linn, MO

### EDUCATION

#### DEGREES

PH.D. ENGINEERING SCIENCE (12/2005)

Rensselaer Polytechnic Institute

GPA: 3.86 of a maximum 4.00

Credits Earned: 91 Semester hours

M.S. INFORMATION TECHNOLOGY (12/2004)

Rensselaer Polytechnic Institute

GPA: 3.86 of a maximum 4.00

Credits Earned: 30 Semester hours

M.S. ACCOUNTING (05/1997)

Binghamton University

GPA: 3.7 of a maximum 4.0

Credits Earned: 70 Semester hours

B.S. BUSINESS ADMINISTRATION (12/1990)

University of Missouri

GPA: 3.2 of a maximum 4.0

Credits Earned: 120 Semester hours

EDUCATION (continued)

CERTIFICATES

BIG DATA CERTIFICATE (8/2015)

University of California, Berkeley and EdX

DATA SCIENCE CERTIFICATE (5/2015)

Johns Hopkins University and Coursera

TRAINING

- People Analytics (January 2016)
- Big Data (December 2015)
- Customer Analytics (December 2015)
- Machine Learning Foundations (December 2015)
- Operations Analytics (November 2015)
- Scalable Machine Learning (August 2015)
- Data Science Capstone (August 2015)
- Introduction to Big Data with Apache Spark (July 2015)
- Cassandra Operations and Performance Tuning (July 2015)
- Cassandra Core Concepts (June 2015)
- MongoDB for Developers (May 2015)
- TryGit (May 2015)
- JavaScript Road Trip Part 2 (April 2015)
- Python Fundamentals (March 2015)
- JavaScript Road Trip Part 1 (February 2015)
- Front End Formations (January 2015)
- Front End Foundations (December 2014)
- Developing Data Products (December 2014)
- Statistical Inference (December 2014)
- Practical Machine Learning (November 2014)
- Reproducible Research (November 2014)
- Regression Models (November 2014)
- Exploratory Data Analysis (June 2014)
- Getting and Cleaning Data (June 2014)
- R Programming (June 2014)
- Data Scientist's Toolbox (June 2014)
- Using R for Data Mining (Summer 2012)
- Using R for Programming and Simulation (Summer 2012)
- Participant Centered Learning Seminar (April 2012)
- SAP ERPsim: Instructor Training Level 1 (August 2011)
- SAP ERPsim: Train the Trainer Training Level 2 (August 2011)
- Introduction to SAP Business ByDesign™ (2011)
- Using R for Generalized Linear Models and Generalized Additive Models (2011)

EDUCATION (continued)

TRAINING (continued)

- Using R for PLS Path Modeling Using R (2011)
- Using R for Statistical Research Analyses II (2011)
- Using R for Statistical Research Analysis I (2011)
- Introduction to SAP ECC 6.0 ERP Using Global Bike Inc. (2010)
- Introduction to SAP ECC 6.0 ERP course (2010)
- National Science Foundation (NSF) Sponsored Prospective Funding Briefing (2009)
- Understanding Islamic Frameworks in a Global Context Symposium (2009)
- NSF Sponsored Building an Educational Technology Research Agenda Symposium (2008)
- EPIC Cognitive Architecture Workshop (2008)
- CLARION Cognitive Architecture Workshop (2008)
- COGNET Cognitive Task Analysis and Modeling Workshop (2003)
- Computational Analysis of Social & Organizational Systems (CASOS) Institute (2002)
- RePast (Java based Agents) Workshop, University of Chicago (2002)

PUBLICATIONS

JOURNAL ARTICLES

1. Fleischmann, K.R., Robbins, R.W., and Wallace, W.A. (Winter 2011). "Information Ethics Education for a Multicultural World" Journal of Information Systems Education. Special Issue: Special Issue on Ethics& Social Responsibility 22(3): 191-202.
2. Robbins, R.W. and Butler, B.S. (Summer 2009). "Selecting a Virtual World Platform." Journal of Information Systems Education. Special Issue: Impacts of Web 2.0 and Virtual World Technologies on IS Education 20(2): 199-210.
3. Fleischmann, K.R., Robbins, R.W., and Wallace, W.A. (Jan 2009). "Designing Educational Cases for Intercultural Information Ethics: The Importance of Diversity, Perspectives, Values, and Pluralism." Journal of Education for Library and Information Science 50(1): 414.
4. Robbins, R.W., and Wallace, W.A. (August 2007). "Decision Support for Ethical Problem Solving: A Multiagent Approach." DecisionSupport Systems 43(4): 1571-1587.

CONFERENCE PROCEEDINGS

5. Robbins, R. W. (August 2014). "Clarifying the SAP ERPsim Experience." Proceedings of the 2014 Americas Conference on Information Systems. Association for Information Systems. Savannah, GA.
6. Fleischmann, K.R., Robbins, R.W., and Wallace, W.A. (January 2011). "Collaborative Learning of Ethical Decision Making via Simulated Cases." Proc 2011 i-Conference. Seattle, WA. Available in ACM Digital Library.

PUBLICATIONS (continued)

CONFERENCE PROCEEDINGS (continued)

7. Robbins, R.W. and Butler, B.S. (December 2010). "Virtual Teaching Cases? An Exploratory Study." Proc. 2010 International Conference on Information Systems. 24/27 Association for Information Systems. Saint Louis, MO.
8. Robbins, R.W. and Butler, B.S. (August 2009). "Teaching and Learning Collaboratively and Virtually Proc. 2009 Americas Conference on Information Systems. Association for Information Systems. San Francisco, CA. Paper No. 6.
9. Robbins, R.W. and Hall, D.J. (August 2007). "Decision Support for Individuals, Groups, and Organizations: Ethics and Values in the Context of Complex Problem Solving." Proc. 2007 Americas Conference on Information Systems. Association for Information Systems. Keystone, Colorado.
10. Robbins, R.W., Wallace, W.A., and B. Puka, (April 2004). "Supporting Ethical Problem Solving: An Exploratory Investigation." Proc. 2004 ACM SIGMIS CPR, pp. 134-143. ACM Press.

BOOK CHAPTER

11. Robbins, R.W., Fleischmann, K.R., and Wallace, W.A. (2009). "Computing and Information Ethics Education Research." Handbook of Research on Technoethics. Luppigini, R. and Adell, R. (Eds.). pp. 391-408. Information Science Reference. New York.

DISSERTATION

12. Robbins, R.W. (2005). "Understanding Individual and Group Ethical Problem Solving: A Computational Ethics Approach. Rensselaer Polytechnic Institute.

OTHER ACCEPTED REFEREED MANUSCRIPTS

13. Fleischmann, K.R., Koepfler, J.A., Robbins, R.W., and Wallace, W.A. (October 2011). "CaseBuilder: A GUI Web App for Building Interactive Teaching Cases." 74th Annual Meeting of the American Society for Information Science and Technology. New Orleans, LA.
14. Robbins, R.W., Wallace, W.A., and Gao, L. (October 2009). "Cognitive Agents for Ethical Problem Solving." 2009 North American Association for Computational Social and Organization Sciences Annual Conference. Phoenix, AZ.
15. Robbins, R.W. and Wallace, W.A. (July 2008). "Understanding Complex Problem Solving: The Case of Ethics Decision Making." CogSci 2008, Washington, D.C.
16. Fleischmann, K.R., Robbins, R.W., and Wallace, W.A. (January 2008). "Education Simulation for Information Ethics: Connecting Education with Practice." Association for Library and Information Science Education Annual Conference 2008. Philadelphia.

PUBLICATIONS (continued)

OTHER ACCEPTED REFEREED MANUSCRIPTS (continued)

17. Robbins, R.W. (December 2006). "Towards Developing Descriptive Ethics Theories for Management Science: Using Interdisciplinary Research and Information Systems." 25/27 2006 IFIP Working Group 8.2 Organizations and Society in Information Systems PreICIS Workshop, Milwaukee.
18. Robbins, R.W. and Wallace, W.A. (November 2006). "A Computational Model of a Group of Individuals Resolving an Ethical Dilemma: Virtual Experiments." 2006 Institute for Operations Research and the Management Sciences Annual Meeting, Pittsburgh.
19. Robbins, R.W. and Wallace, W.A. (October 2005). "Describing Ethical Problem Solving Dynamically: A Computational Modeling Approach." Ethics: The Guiding Light The 12th Annual International Conference Promoting Business Ethics, St. Johns University, New York.
20. Robbins, R.W. and Wallace, W.A. (December 2004). "Towards Supporting Ethical Problem Solving in Individuals and Groups." AIS SIGDSS workshop "Expanding the Boundaries for Decision Support Systems" pre2004 International Conference on Information Systems. AIS. Washington, D.C.

GRANTS AND AWARDS

1. Principal Investigator: \$300,000, National Science Foundation, Educational Simulation for Computing and Information Ethics. Collaboration with colleagues at University of Maryland College Park and Rensselaer Polytechnic Institute. 2007-2010.
2. Principal Investigator: \$1,200, Experience Based Learning Grant, Joseph M. Graduate School of Business, University of Pittsburgh, August 2011.
3. Principal Investigator: \$11,494, National Science Foundation, Research for Undergraduate Education. May 2011.
4. Coinvestigator: \$23,000, Educational Technology Innovation Grant, The Virtual Firm: An Interactive Environment for Teaching IT Opportunity Recognition. March 2011.
5. Coinvestigator: \$20,000, Collaborative Technology Innovation Grant. 2009-2010.
6. Finalist: Excellence in Ethics Dissertation Proposal Competition at the University of Notre Dame. 2004.
7. Senior Personnel: \$287,557 as component of \$5,000,000 NSF proposal for research ethics education commons. One of two of twenty proposals deemed very competitive; the other was awarded. March 2010. Not funded.



## RÉSUMÉ

### REFERENCES

**DR. BRIAN S. BUTLER**

Senior Associate Dean of the College of Information Studies  
University of Maryland

301-405-2033, bsbutler@umd.edu

Brian was the applicant's supervisor at the University of Pittsburgh.

**MR. KEITH ECKELMEYER**

Senior Applications Developer

Public School Employees' Retirement System

Commonwealth of Pennsylvania

717-720-4790, keckelmeye@pa.gov

Keith is the applicant's supervisor at PSERS.

**DR. WILLIAM E. HEFLEY**

Clinical Professor of Information Systems in the Naveen Jindal School of Management

The University of Texas at Dallas

972-883-5006, William.Hefley@utdallas.edu

Bill was a senior colleague at the University of Pittsburgh.

**DR. WILLIAM A. WALLACE**

Yamada Corporation Professor of Industrial and Systems Engineering

Rensselaer Polytechnic Institute

518-276-6854, wallaw@rpi.edu

Al has been a teacher, mentor, patron, colleague, and friend.