

Dr. Robert Vermilyer

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Education

Ph.D. in Computer Science, 2005
Nova Southeastern University
Fort Lauderdale, Florida 33314

Dissertation: Knowledge Discovery in Content-Based Image Retrieval Systems

Committee: (Dr. Michael Laszlo, Chairperson, Dr. James Cannady, Dr. Sumitra Mukherjee)

Master of Science in Computer Science, 1983
Michigan Technological University
Houghton, Michigan 49931

Thesis: Heuristics for Script Selection

Committee: (Dr. Karl Ottenstein, Chairperson, Dr. Linda Ott, Dr. John Lowther)

Bachelor of Science in Mathematics, 1977

Grand Valley State College

Allendale, Michigan 49401

Graduated with High Honors

Professional Experience

Saint Thomas Aquinas College (2005-present)

125 Route 340, Sparkill, NY, 10976

Professor of Computer Science

- Program Coordinator for Mathematics and Computer Science
- Teach a wide variety of undergraduate Computer Science courses
- Implement and sustain scholarly research program
- Advise undergraduate Computer Science students

Associate Professor of Computer Science

- Teach a wide variety of undergraduate Computer Science courses
- Implement and sustain scholarly research program
- Advise undergraduate Computer Science students

Assistant Professor of Computer Science

- Teach a wide variety of undergraduate Computer Science courses
- Implement and sustain scholarly research program
- Advise undergraduate Computer Science students

Franklin University (1986-2004)

201 South Grant Avenue, Columbus, Ohio, 43215

Associate Vice President Academics

- Formulated strategies, planned, designed and implemented academic and technology initiatives
- Worked collaboratively with faculty in establishing and implementing curriculum assessment and academic program review
- Recruited and developed a dynamic team of faculty committed to the philosophy of providing a student centered learning environment
- Responsible for over 150 faculty and technology professionals

Dean School of Computer and Information Science

- Recognized for working collaboratively with faculty in establishing and implementing curriculum assessment and academic program review
- Created and implemented Bachelor of Science in Digital Communication

Chairperson & Professor of Computer Science

- Taught a wide variety of graduate and undergraduate Computer Science courses
- Advised graduate and undergraduate Computer Science students
- Elected by faculty to the office of President of Faculty Senate
- Grew undergraduate Computer Science Program from 100 to 500 majors
- Created and implemented Master of Science in Computer Science Program
- Created and implemented Bachelor of Science in Digital Communication

Chief Technology Officer

- Formulated strategies, planned, designed and implemented technology initiatives
- Designed and implemented courseware system that currently supports over 9,000 students
- Designed and implemented student web portal
- Directed the development of the University's web sites

The Ohio State University (1984-1986)

Columbus, Ohio

Instructor of Computer Science

- Participated in curriculum development
- Taught a wide variety of undergraduate Computer Science courses
- Advised Students
- Member of TRIAD research team

Lear Siegler Inc. (1977-1979)

Grand Rapids, Michigan

Software Engineer

- Developed real-time avionic software for a variety of government and commercial contracts
- Coordinated technology seminars for engineering department

Selected Refereed Publications & Presentations

Integrating Educational Games Using Player Type, Consortium for Critical Reading, Writing and Thinking, St. John's University, New York, NY., October 2014.

Integrating Educational Gaming Experiences, Science Teachers of New York State Conference, Rochester, NY., November 2013.

Promoting Interest in STEM Through the Use of Digital Literacy and 3D Gaming, New Jersey Science Convention, Princeton, NJ, October 2012.

Teaching Science Using Digital Literacy and 3D Gaming, Game Education Summit North America, Redmond, WA, June 2011.

Strategies to Address the Under-Representation of Women & Minorities in Computer Science and Technology, 14th Annual Education Technology Conference, Campus Technology, Washington D.C., July 2007.

Intelligent User Interface Agents in CBIR, IEEE SouteastCon, Memphis, TN, March 2006.

Knowledge Discovery in Content-Based Image Retrieval Systems, Ph.D. Dissertation, Nova Southeastern University, Fort Lauderdale, Florida, 2005.

Online Courses at Franklin University, Franklin University 1st Conference on Distance Education, Columbus, Ohio, 1997.

Principled Auditory Feedback, ACM Conference on Human Factors in Computing Systems, Monterey, California, May, 1992.

The Use of a Relational Database in Method Driven Environments, SIGSOFT Software Engineering Notes, Jayashree Ramanathan, Robert Vermilyer, Thorbjorn Anderson, John M. Rose, Volume 10, Issue 5, 1985.

Grants

Promoting Interest Through the Use of Digital Literacy and 3D Gaming, Hewlett Packard Catalyst Initiative Grant (\$150,000), July 2011

Marketing Computer Science, St. Thomas Aquinas Faculty Grant (\$2,000.00), April 2008.

Using Mobile Technology to Unlock the Clubhouse, HP Technology for Teaching Grant (\$69,000.00), May, 2006.

Using Multimodal Feedback in User Interfaces to Enhance Performance, Apple Computer Research Grant (\$2,000.00), July 1991.

Presentations and Professional Service

Presenter, *Educational 3D Gaming*, St. Thomas Faculty Research Retreat, Frost Valley, NY, May 2012

Invited Speaker, *Choosing to Major in Computer Science*, Northern Highlands Regional High School, Allendale, NJ, December 2008

Invited Speaker, *Choosing to Major in Computer Science*, Elmwood Park Memorial High School, Elmwood Park, NJ, December 2008

Presenter, *3D Captchas*, St. Thomas Faculty Research Retreat, Frost Valley, NY, May 2008

Reviewer, ACM SIGCSE 2008, March 2008, Portland, OR.

Member of Advisory Board, Division of Engineering Technologies & Computer Science, Essex County College, Newark, NJ.

Judge, Science, Invention and Technology Exhibition, March 2007, Rockland County, NY.

Data Validator, HCI Bibliography (<http://hcibib.org>)