

PETER J. DEPASQUALE
depasqua@tcnj.edu <http://www.tcnj.edu/~depasqua>

EDUCATION

Virginia Polytechnic Institute and State University, Blacksburg, VA

Ph.D., Computer Science, 2003

M.S., Computer Science, 2000

Villanova University, Villanova, PA

M.S., Computer Science, 1997

B.S., Computer Science, 1990

RESEARCH

Center of Excellence in Enterprise Technology (CEET) – Villanova University

Research Associate – *January 2005 to August 2007*

Research interest areas: Computer science education and curriculum, educational programming environments, interactive educational tools, software engineering, Internet filtering, Internet-based software development, collaborative environments, telerobotic control/interfaces.

PROFESSIONAL EXPERIENCE

The College of New Jersey, Ewing, NJ

Assistant Professor – *August 2003 to present* (tenure granted Summer 2007)

Accelerated Computer Science I & II

Creative Computing (Honors)

Introduction to Interactive Computing

Computer Science I: Computational Problem Solving

Computer Science II: Data Structures

Operating Systems

Web Application Development

Villanova University, Villanova, PA

Adjunct Faculty – *Summer 2007*

Algorithms and Data Structures I

Virginia Polytechnic Institute and State University, Blacksburg, VA

Instructor – *Summer 1998 to Spring 2003*

Computer Literacy

Introduction to Programming in C++

Self-study in a Programming Language (Java)

Teaching Assistant – *Spring 1998 to Summer 2003*

Advanced Topics in Software Engineering: Design Patterns (graduate course)

Computer Literacy

Curriculum development for Introduction to Programming in Java (CS1 course)

Database Management Systems (graduate course)

Introduction to Data Structures and Software Engineering

Introduction to Programming in C++

Villanova University, Villanova, PA

Research Assistant – Fall 1996

Ellipsis Resolution in English in Natural Language Processing Systems, developed web-based interface to ellipsis resolution software

Teaching Assistant – Spring 1996 to Fall 1997

Algorithms and Data Structures I

International Business Machines (IBM), Research Triangle Park, NC

Summer Intern, 2000

Assisted in the development of Enterprise JavaBean support for Visual Age for Java, Enterprise Edition, version 4.0

Sonalysts, Inc., Mt. Holly, NJ

Software Engineer, 1990-1995

Project team leader for developing custom CASE tools, systems administrator (in-house and contracted).

PAPERS \ PANELS

“COMTOR: A Java Source Code Comment Analysis Tool For Introductory Programming Students”, Autumn J. Breese, **Peter J. DePasquale**, *The 2009 World Congress in Computer Science, Computer Engineering, and Applied Computing (WORLDCOMP '09)*, Las Vegas, NV, July 2009.

“Model Driven Development of a Service Oriented Architecture (SOA) Using Colored Petri Nets”, V. Gehlot, T. Way, R. Beck, **Peter J. DePasquale**, *Proceedings of Quality in Modeling Workshop, ACM/IEEE 9th International Conference on Model-Driven Engineering Languages and Systems (MODELS '06)*, Genova, Italy, October 2006.

“Integration of a Community-based WWW Filter as a Capstone Research Experience for Undergraduate Computer Science Students”, **Peter J. DePasquale**, Jason M. Snyder, *The 2006 World Congress in Computer Science, Computer Engineering, and Applied Computing (WORLDCOMP '06)*, Las Vegas, NV, June 2006.

“Exploiting On-line Data Sources as the Basis of Programming Projects”, **Peter J. DePasquale**, *ACM SIGCSE Technical Symposium on Computer Science Education*, Houston, TX, March 2006.

“A Model for Summer Undergraduate Research Experiences In Emerging Technologies”, Deborah L. Knox, **Peter J. DePasquale**, Sarah M. Pulimood, *ACM SIGCSE Technical Symposium on Computer Science Education*, Houston, TX, March 2006.

“Both Sides Now: Transition from Graduate Student to Faculty Member”, **Peter J. DePasquale** and Tracy Lewis, *ACM SIGCSE Technical Symposium on Computer Science Education*, St. Louis, MO, February, 2005.

“Establishing a Common Ground for Information Technology Competency”, Joseph Chase, **Peter J. DePasquale**, *ACM SIGCSE Technical Symposium on Computer Science Education*, Norfolk, VA, March, 2004.

“Evaluation of Subsetting Programming Language Elements in a Novice’s Programming Environment”, **Peter J. DePasquale**, John A.N. Lee, Manuel A. Pérez-Quiñones, *ACM SIGCSE Technical Symposium on Computer Science Education*, Norfolk, VA, March, 2004.

“Subsetting Language Elements in Programming Environments for Novice Students”, **Peter J. DePasquale**, *6th World Multiconference on Systemics, Cybernetics and Informatics (SCI 2002)*, Orlando, FL, July, 2002.

“Subsetting Language Elements in Novice Programming Environments”, **Peter J. DePasquale**, *RESOLVE Programming Language Workshop 2002*, Columbus, OH, June, 2002.

“An Interactive Program for Determining Junction Depths in Diffused Silicon Devices”, David S. Myers, Jason L. Meyer, **Peter J. DePasquale** and Robert W. Hendricks, *IEEE Biennial University / Government / Industry Microelectronics (UGIM) Symposium*, Richmond, VA, June, 2001.

“Let’s commiserate: Advice from students & faculty about making the transition from graduate student to faculty member”, **Peter J. DePasquale** and K. Todd Stevens, *ACM SIGCSE Technical Symposium on Computer Science Education*, Charlotte, NC, February, 2001.

“Teaching using off-the-shelf on-line materials”, Carl Alphonse, **Peter J. DePasquale**, et. al. *ACM SIGCSE Technical Symposium on Computer Science Education*, Charlotte, NC, February, 2001.

“A Java Interface for Asserting Interactive Telerobotic Control”, **Peter J. DePasquale**, Matthew R. Stein, *SPIE Telemanipulator and Telepresence Technologies IV Conference*, Pittsburgh, PA, October, 1997.

WORKSHOPS

“Teaching Students Effective Practices for Commenting Computer Source Code”, **Peter J. DePasquale** and Michael E. Locasto, *Twenty-First Annual Consortium for Computing Sciences in Colleges (CCSC) South Central Regional Conference*, Austin, TX, April 23, 2010.

PRESENTATIONS

“Improving Learning of Programming Languages Through the Implementation of Levels in Program Development Environments”, **Peter J. DePasquale**, *Doctoral Consortium - ACM SIGCSE Technical Symposium on Computer Science Education*, Reno, NV, February 19, 2003.

“Improving Learning of Programming Languages Through the Implementation of Levels in Program Development Environments”, **Peter J. DePasquale**, *Doctoral Consortium - ACM SIGCSE Technical Symposium on Computer Science Education*, Northern Kentucky/Cincinnati, OH, February 27, 2002.

“Redesigning Programming Language Learning Environments”, **Peter J. DePasquale**, *Doctoral Consortium - ACM SIGCSE Technical Symposium on Computer Science Education*, Charlotte, NC, February 21, 2001.

“Concurrent Programming Aids”, **Peter J. DePasquale**, *Doctoral Consortium - ACM SIGCSE Technical Symposium on Computer Science Education*, Austin, TX, March 8, 2000.

GRANTS

CREU: Collaborative Research Experience for Undergraduates in Computer Science and Engineering, \$7,822, August 2009

CREU: Collaborative Research Experience for Undergraduates in Computer Science and Engineering, \$7,000, August 2008

The College of New Jersey Mini Information Technology grant of \$2,000, July, 2008

The College of New Jersey Mini Information Technology grant of \$2,000, November, 2007

Virginia Tech Graduate Research Development Project grant of \$500, November, 2002

Microsoft software grant of \$99,800, May, 2000

BOOKS

Java Foundations, 2nd edition, John A. Lewis, Joseph D. Chase, and **Peter J. DePasquale**, To be published March 2010

Programming with Alice and Java, 1st edition, John A. Lewis and **Peter J. DePasquale**, ISBN: 0-321-51209-X, 2009

Java Foundations, 1st edition, John A. Lewis, Joseph D. Chase, and **Peter J. DePasquale**, ISBN: 0-321-42972-9, 2008

Addison-Wesley's C++ Backpack Reference Guide, 1st edition, **Peter J. DePasquale**, ISBN: 0-321-35013-8, 2006

Addison-Wesley's Java Backpack Reference Guide, 1st edition, **Peter J. DePasquale**, ISBN: 0-321-30427-6, 2005

TECHNICAL REPORTS \ ARTICLES

“Implementing OO Designs in EJBs with VisualAge for Java”, Kyle Brown, **Peter DePasquale**, *IBM VisualAge Developer's Domain*, IBM Corporation, Research Triangle Park, NC, July, 2000

“Emerging Technologies: ATM and Java”, **Peter J. DePasquale**, Thomas DiSessa, *Concept, Graduate Journal of Interdisciplinary Research*, Villanova University, Villanova, PA, Volume 20, 1997, pp. 21-29.

TEXTBOOK ASSISTANCE \ SUPPLEMENTALS

Instructor's Manuals for:, *Data Structures and Problem Solving Using Java*, 4th edition, Mark A. Weiss, Addison Wesley, 2010.

Supplemental materials for:, *Java Software Solutions: Foundations of Program Design*, 4th edition, John A. Lewis, William Loftus, Addison Wesley, 2005.

CodeMate content developer, Pearson Education, 2003, 2004

Supplemental online materials (*Goin' Live: Build a Web Site*):, *Computer Science Illuminated*, 1st edition, Nell Dale and John A. Lewis, Jones and Bartlett Publishers, 2002, <<http://csilluminated.jpupub.com/Goin.Live.cfm>>.

Supplemental online materials for:, *Java Software Solutions: Foundations of Program Design*, 3rd edition, John A. Lewis, William Loftus, Addison Wesley, 2002.

Instructor's Manuals for:, *The Advantage Series Office XP (Brief, Introductory and Complete editions)*, Sarah E. Hutchinson, Glen J. Coulthard, McGraw-Hill Irwin, 2001.

Supplemental online materials for:, *Java Software Solutions: Foundations of Program Design*, 2nd edition, John A. Lewis, William Loftus, Addison Wesley, 1999.

Appendix O for:, *Java Software Solutions: Foundations of Program Design*, 1st edition, John A. Lewis, William Loftus, Addison Wesley, 1998.

POSTERS

“COMTOR: A Source Code Comment Mentoring System”, **Peter J. DePasquale**, Michael E. Locasto, *The Forty-First ACM Technical Symposium on Computer Science Education*, Milwaukee, WI, March 2010.

“The CS1 Sandbox Project: Applying Subsets to a Novice Programmer's Language”, **Peter J. DePasquale**, 18th Annual Graduate Student Assembly Research Symposium, Blacksburg, VA, April, 2002.

“The CS1 Sandbox Project: Applying Subsets to a Novice Programmer’s Language”, **Peter J. DePasquale**, *ACM SIGCSE Student Research Poster Contest Presentation*, Covington, KY, February, 2002.

“PumaPaint: A Telerobotic Interface”, **Peter J. DePasquale**, Lara J. Blatchford, *ACM SIGCSE Student Research Poster Contest Presentation*, San Jose, CA, February, 1997.

SERVICE

Conference / Journal / Textbook Reviews

Conference Reviewer, *ACM SIGCSE Forty First Technical Symposium on Computer Science Education*, Milwaukee, WI, March 2010

Conference Reviewer, *ACM ITiCSE '09: Innovation and Technology in Computer Science Education*, Paris, France, July 2009

Conference Reviewer, *ACM SIGCSE Fortieth Technical Symposium on Computer Science Education*, Chattanooga, TN, March 2009

Conference Reviewer, *ACM ITiCSE '08: Innovation and Technology in Computer Science Education*, Madrid, Spain, June 2008

Conference Reviewer, *ACM SIGCSE Thirty-Ninth Technical Symposium on Computer Science Education*, Portland, OR, March 2008

Textbook Reviewer, *Programming the World Wide Web*, 4th edition, Robert Sebesta, Addison-Wesley, April 2007

Conference Reviewer, *ACM ITiCSE '07: Innovation and Technology in Computer Science Education*, Dundee, Scotland, June 2007

Conference Reviewer, *ACM SIGCSE Thirty-Eighth Technical Symposium on Computer Science Education*, Covington, KY, March 2007

Conference Reviewer, *ACM ITiCSE '06: Innovation and Technology in Computer Science Education*, Bologna, Italy, June 2006

Journal Reviewer, *Journal of Educational Resources in Computing*, Association for Computing Machinery, January 2006

Conference Reviewer, *ACM SIGCSE Thirty-Seventh Technical Symposium on Computer Science Education*, Houston, TX, March 2006

Conference Reviewer, *ACM ITiCSE '05: Innovation and Technology in Computer Science Education*, Monte de Caparica, Portugal, June 2005

Conference Reviewer, *ACM SIGCSE Thirty-Sixth Technical Symposium on Computer Science Education*, St. Louis, MO, February 2005

Textbook Reviewer, *Learning Linux/UNIX*, Prentice Hall, September 2004

Conference Reviewer, *ACM ITiCSE '04: Innovation and Technology in Computer Science Education*, Leeds, UK, June 2004

Conference Reviewer, *ACM SIGCSE Thirty-Fifth Technical Symposium on Computer Science Education*, Norfolk, VA, March 2004

Journal Reviewer, *Special Issue of Computer Science Education (Import / Export Relationships to Computer Science Education Research)*, Swets & Zeitlinger Publishers, March 2004

Conference Committees

Papers Co-Chair, *Consortium for Computer Sciences in Colleges–Eastern Region*, Huntingdon, PA, October 2010

Papers Chair, *Consortium for Computer Sciences in Colleges–Eastern Region*, Villanova, PA, October 2009

Workshops and Tutorial Sessions Co-Chair, *Consortium for Computing Sciences in Colleges–Eastern Region*, Patchogue, NY, October 2007

The College of New Jersey, Ewing, NJ

Coach

TCNJ ACM Student Programming Teams, 2003 – 2005

Adviser

TCNJ ACM Student Chapter, 2003 – present

TCNJ Poker Club, 2004 – 2005

Coordinator

Annual TCNJ High School Programming Contest, 2004 – 2006

Departmental Microsoft Academic Alliance Manager, 2004 – present

Departmental Webmaster, 2004 – present

Member / Representative

Vice-President of Human Resources Search Committee (college-wide), Fall 2009 semester

Geographic Information Systems Curriculum Committee (college-wide), 2005 – 2006

Department Faculty Search Committee, Spring 2004 – present

School of Science Dean Search Committee Member, 2005 – 2006 academic year

Writing Director Search Committee Member, 2004 – 2005 academic year

School of Science Curriculum Committee – 2004

Villanova University, Villanova, PA

Chairperson

Touchdowns for Testing (Bone Marrow Testing Fund Drive), 2003

Computer Science department representative

Graduate Student Council, 1996 – 1997

Virginia Polytechnic Institute and State University, Blacksburg, VA

Honor Court Panelist

Graduate Honor System, 2000 – 2003

Member / System administrator

Computer Science department Graduate Council, 1998 – 1999

President

Virginia Tech student chapter of Upsilon Pi Epsilon, 1999 – 2000

PROFESSIONAL ORGANIZATIONS

Association for Computing Machinery (ACM)

ACM Special Interest Group on Computer Science Education (SIGCSE)

HONORS AND AWARDS

Virginia Polytechnic Institute and State University, Blacksburg, VA

Graduate Award for Teaching Excellence, May, 1999

Villanova University, Villanova, PA

Upsilon Pi Epsilon, May, 1997

REFERENCES

Dr. Miroslav “Mike” Martinovic
Associate Professor, Department Chair
Department of Computer Science
The College of New Jersey
2000 Pennington Road
Ewing, NJ 08628
(609) 771-2789
mmmartin@tcnj.edu

Dr. John Lewis
President / Adjunct Faculty
New Syllabus, Inc. / Virginia Tech
2201 Birchleaf Lane
Blacksburg, VA 24060
540-951-0119
john.lewis@acm.org

Dr. John A.N. (J.A.N.) Lee
Professor (Retired)
Department of Computer Science
Virginia Polytechnic Institute
and State University
Blacksburg, VA 24060
(540) 674-1140
janlee17@verizon.net

Dr. Robert Beck
Department of Computer Science
Villanova University
800 Lancaster Avenue
Villanova, PA 19085
610-519-7352
robert.beck@villanova.edu