

**PETER J. DEPASQUALE**  
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## 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 present*

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*

Accelerated Computer Science I & II  
Introduction to Interactive Computing  
Computer Science I: Computational Problem Solving  
Computer Science II: Data Structures  
Operating Systems  
Web Application Development

*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**

Java programming language

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

“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 Telem manipulator and Telepresence Technologies IV Conference*, Pittsburgh, PA, October, 1997.

## 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

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

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

## BOOKS

*Java Foundations*, 1<sup>st</sup> edition, John A. Lewis, Joseph D. Chase, and **Peter J. DePasquale**, ISBN: 0-321-42972-9, 2007

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

*Addison-Wesley’s Java Backpack Reference Guide*, 1<sup>st</sup> 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

Supplemental materials for:, *Java Software Solutions: Foundations of Program Design*, 4<sup>th</sup> 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*, 1<sup>st</sup> edition, Nell Dale and John A. Lewis, Jones and Bartlett Publishers, 2002, <[http://csilluminated.jbpub.com/Goin\\_Live.cfm](http://csilluminated.jbpub.com/Goin_Live.cfm)>.

Supplemental online materials for:, *Java Software Solutions: Foundations of Program Design*, 3<sup>rd</sup> 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*, 2<sup>nd</sup> edition, John A. Lewis, William Loftus, Addison Wesley, 1999.

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

## POSTERS

"The CS1 Sandbox Project: Applying Subsets to a Novice Programmer's Language", **Peter J. DePasquale**, 18<sup>th</sup> 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

Textbook Reviewer, *Programming the World Wide Web*, 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*

Workshops and Tutorial Sessions, *Consortium for Computing Sciences in Colleges*, 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**

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. John A.N. (J.A.N.) Lee  
Professor (Retired)  
Department of Computer Science  
Virginia Polytechnic Institute and State University  
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Blacksburg, VA 24060  
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Dr. John Lewis  
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Associate Department Head (Semi-Retired)  
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