

Lionel E. Deimel

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Objective

To work in a challenging environment requiring a variety of competencies.

Strengths

- Computer scientist/software engineer sensitive to user needs
- Excellent writer, editor, and reviewer
- Experienced provider of hardware and software support
- Educator and trainer who has worked in diverse environments
- Analytical problem solver with strong background in mathematics and logic

Education

Ph.D. Georgia Institute of Technology, Information & Computer Science
M.S. Georgia Institute of Technology, Information & Computer Science
A.B. University of Chicago, Physics

Achievements

As Consultant/Developer/Trainer

- Provide on-site and remote information technology support for private clients.
- Developed and maintained Web sites for a variety of individual, non-profit, political, and commercial clients.
- Developed and maintained various software systems, including databases in banking, sales, manufacturing, and administration.
- Delivered on-site training in software development topics to industry clients.
- Developed and delivered training in the use of computers and productivity software for computer services company.
- Provided in-house support for use of new software in law firm and church judicatory office.
- Advised and developed evidence in landmark software copyright infringement/contract violation case.

As Leader/Manager

- Developed and implemented plans for using time-sharing service and, later, microcomputers for teaching computer programming at North Carolina State University. Wrote documentation and devised mechanisms for automatic testing of student programs. Managed students who did the actual grading.
- Founded No Anglican Covenant Coalition, an international group working to defeat adoption of a covenant for the worldwide Anglican Communion, which played a large role in the defeat of the Covenant by the Church of England. Serve as the Episcopal Church convenor.
- Led Progressive Episcopalians of Pittsburgh in its growth from an informal, grassroots advocate for church unity to a tax-exempt nonprofit that helped the Episcopal Diocese of Pittsburgh rebuild quickly after a serious split.
- Chaired Software Engineering Institute (SEI) Conference on Software Engineering Education and edited proceedings published by Springer-Verlag.
- Planned and managed seven SEI Faculty Development Workshops in four cities.
- Served Association for Computing Machinery (ACM) Scholastic Programming Contest for eight years, including three as Contest Director. Recognized through two ACM service awards for work with this international student competition.

As Educator

- Managed development of SEI curriculum modules. Served as technical editor working with visiting experts writing guides to software engineering topics for professors and trainers.
- Taught more than 20 graduate and undergraduate courses in computer science, software engineering, mathematics, and electrical engineering.
- Contributed questions to the Advanced Placement Computer Science Examination for Educational Testing Service and served as grader during the test's first three years.

As Author

- Wrote or edited numerous press releases, essays, and educational materials for Progressive Episcopalians of Pittsburgh and the No Anglican Covenant Coalition.
- Produced educational materials for SEI on software technical reviews, program analysis and testing, and program reading as an educational tool.
- Published more than a dozen papers in computer science/software engineering education, and a similar number in theoretical and practical computer science.
- Maintain *Lionel Deimel's Farrago* Web site and *Lionel Deimel's Web Log*, compilations of original essays, poetry, music, and material on computer science and mathematics. Maintain unofficial church blog, *St. Paul's' Epistle*, and *Pittsburgh Update*, a blog of church news.

Employment

Self-employed (1992 – present)

Consultant. Provide hardware and software services to commercial, nonprofit, and individual clients, including training, acquisition and deployment assistance, and Web and database development.

Computer Comfort (1997 – 1999)

Manager, Special Services. Managed and delivered training, developed and maintained databases for clients, provided on-site hardware and software support, and developed software and procedures for internal use.

Software Engineering Institute, Carnegie Mellon University (1987 – 1992)

Senior Computer Scientist. Advocated for software engineering as an academic discipline, managed development of educational materials for software engineering instruction, and conducted workshops to promote the use of SEI materials by universities and industry.

Allegheny College (1985 – 1987)

Associate Professor of Computer Science. Taught computer science and software engineering courses in selective liberal arts college with accredited computer science curriculum.

North Carolina State University (1975 – 1985)

Assistant Professor of Computer Science. Taught undergraduate and graduate courses in computer science, mathematics, and electrical engineering. Conducted research in computer science and software engineering.

Military Service

Army bandsman (clarinetist), 1969 – 1971. Separated with rank of SPC 5.

Professional & Community Activities

Association for Computing Machinery (ACM): member. Church: choir member; former audio-visual coördinator and Worship Commission secretary. Diocese: elected member and former chair, Committee on Constitution & Canons. CISV (formerly Children's International Summer Villages), Pittsburgh Chapter: past board member and membership chair. Progressive Episcopalians of Pittsburgh: board member, first president, and IT manager. No Anglican Covenant Coalition: founder, Episcopal Church convenor, and Webmaster. Other interests: writing, music, science, baseball, photography, and railroads.