

Curriculum Vitae

Martin Dickey
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Educational History

PhD, Arizona State University, December, 1992 (Computer Science). Dissertation:
"Exploiting low-level linguistic knowledge in neural network speech
recognition." Advisor: Dr. Leonard Faltz.
M.S., University of Kentucky, 1971 (Mathematics).
B.A., Kent State University, 1969 (Mathematics).

Employment History

University of Washington, Department of Computer Science and Engineering, Fall 1996-present. Lecturer. Teach undergraduate courses, with primary responsibility for the introductory programming sequence. In this capacity, supervise (with co-instructors) a large staff of graduate and undergraduate teaching assistants and lab consultants. Service activities are outlined later in this document.

Illinois College, Jacksonville, Ill., 1991-1996. Assistant Professor of Computer Science.

Grand Canyon University, Phoenix, AZ, Spring 1990. Visiting Instructor of Computer Science.

Siemens Corporation, Munich, Germany, June-October, 1989. Visiting Scientist at Corporate Research Center (Zentrum für Forschung und Entwicklung), Neu Perlach.

Arizona State University, 1987-1991. Graduate assistantships in Department of Computer Science and in Humanities Computing Facility.

Honeywell Large Information Systems, Phoenix, AZ, 1978-1986. Mainframe operating system (GCOS-8) development, as individual contributor and later as senior project leader.

Honeywell Data Processing Operations, McLean, VA, 1975-1978. Pre- and post-sales support.

U.S. Maritime Administration, Washington, DC, 1972-75. Applications and systems programming.

Professional society memberships

Mathematical Association of America (MAA) member since 1973.

Association for Computational Linguistics since 1985.

Association for Computing Machinery (ACM) since 1986.

Chinese Language Computer Society since 1994.

Consortium for Computing in Small Colleges since 1995.

Teaching Summary

At the University of Washington: Generally two preparations per quarter; six different courses taught to date.

At other institutions: Over twenty different courses taught, ranging over the full spectrum of undergraduate computer science.

Recent Departmental Service

Serve on the departmental Introductory Programming Coordination Committee. Act as continuing institutional memory about the content and operation of the introductory programming sequence (CSE 142/143). Interview, hire, and supervise all the undergraduate students who work as consultants in the IPL (Introductory Programming Lab). Since 5/97, supervisor of record for the department's Instructional Technologist (Dan Boren). Serve on Undergraduate Admissions Committee, which biannually screens, and makes final decisions upon, hundreds of applications for admission to the Computer Science and Computer Engineering majors.

Worked with UW's Carlson Center to offer CSE444 ("Introduction to Database Systems") as possibly the first COE course officially to incorporate a designated Service Learning component (Spring 1999).

Autumn 1998 and Autumn 1999: conducted the TA Training Seminar, 590IT.

Involved with Tutored Video Instruction (TVI) since its inception at UW. Was the instructor taped for the TVI offerings of CSE142 in Winter 99 and Winter 00.

Since 1997, have periodically reviewed CC applications for 142 transfer credit agreements. Made presentations to WCERTA meetings hosted by COE. Organized (with Dennis Schaffer of North Seattle CC) a symposium on Computer Science Education in the Puget Sound Area, Feb. 3, 1999.

Organized, with others, the content of the Computer Science Track for the first-ever Microsoft IT Educators Institute, held at Bellevue Community College, Aug. 7-13. Serve on the Advisory Board for the UW Extension certificate programs in programming languages.

With Margaret Levi (Professor, Political Science), developed and presented a full-day workshop on Service Learning, as one of the Provost's Faculty Workshops on Teaching and Learning (August 25), coordinated by George Bridges.

Recent External Activities

ACM SIGCSE (Special Interest Group on Computer Science Education) annual Symposium, Atlanta GA, Feb. 1998: organized and moderated a panel discussion on "Accommodating Diversity of Academic Background in CS1." Summary and panel position statements published in the *Proceedings*.

Paper referee for ACM SIGCSE annual Symposium (March 2000).

Participant in the Information Technology Workshop, sponsored by the Computer Science and Telecommunications Board (CSTB) of the National Research Council, Jan. 1998 at UC Irvine.

Since 1998, have reviewed three textbooks for publishers during the books' development stage.