

## PROFESSIONAL SUMMARY

- Experienced in transforming difficult, technical ideas into a format that computer novices and non-technical people can understand
- Extensive curriculum development experience including writing degree plans for a combination Computer Sciences/Mathematics secondary teaching degree and a 5-year combined Bachelors/Masters degree in Computer Sciences
- Expertise in conflict resolution and interpersonal relationships based on over 10 years mediating student/faculty issues and advising students in difficult academic and non-academic situations
- Successful experience handling difficult situations involving people of diverse backgrounds with sensitivity to cultural differences
- Ability to formulate statistical models and comfortably work with large data sets using programming skills, pre-existing statistical software, and knowledge of experimental design

## EXPERIENCE

### **The University of Texas at Austin, Department of Electrical and Computer Engineering**

#### **Senior Lecturer** (1/18-present)

- Taught core courses for majors, in particular Software Design and Implementation II
- Provided additional support as required by the department

### **Texas State University, San Marcos TX**

#### **Director for Undergraduate Studies and Undergraduate Faculty Adviser** (8/11-5/18)

#### **Senior Lecturer** (8/07-5/18)

- Taught a variety of core courses for majors and the literacy course for non-majors
- Revamped CS 1308 *Computer Literacy and the Internet* course for non-majors
- Chair of the Undergraduate Curriculum Committee
- Chair of the Assessment Committee
  - Co-wrote the assessment plan used for the ABET and SACS undergraduate accreditation
  - Coordinated the writing of the ABET self-review document and helped with the academic portion of the ABET visit
- Worked with College of Science and Engineering advising staff to evaluate CS transfer course work and advise incoming freshman and transfer students

#### **Courses Taught**

Computer Literacy  
Computer Ethics

Foundations of CS I  
Data Structures

Foundations of CS II

#### **Committees**

CoSE Curriculum  
CS ABET (Chair)

CS Undergraduate (Chair)  
CS Scholarship

CS Assessment (Chair)  
CS Publicity and Recruiting

CS Academic Program Review

### **The University of Texas at Austin, Department of Computer Sciences**

#### **Coordinator for Student Affairs and Undergraduate Faculty Adviser** (6/00-8/07)

#### **Lecturer** (8/97-5/00)

#### **Assistant Instructor** (8/94-5/97)

- Taught numerous courses ranging from Computer Fluency to Data Structures
  - Spring 2007 course evaluations averaged 4.5/5.0 across three sections of courses with approximately 200 students
- Supervised graduate and undergraduate offices with 7 employees serving over 2500 students
- Assigned and supervised 100 graduate teaching assistants per semester to cover the Undergraduate and Graduate curriculum
- Trained 30-40 incoming graduate teaching assistants each year on classroom management,

- presentation skills, student assessment, basic learning theory, and conflict resolution techniques
- Resolved student issues such as student/faculty grade disputes, denial of admission to the major, academic probation, legal problems, mental health issues, and cases of academic dishonesty
- Developed and maintained mySQL databases to track graduate and undergraduate students in response to need for more effective assessment of student academic progress
- Streamlined the dissemination of common advising information by redesigning the graduate and undergraduate web portals to reduce counter traffic
- Collaborated with Career Services to meet with employers regarding curriculum issues and to review and evaluate student co-operative learning opportunities
- Represented the department externally: Texas Higher Education Coordinating Board, UTeach, Study Abroad, Measurement and Evaluation Center (MEC), Texas Interdisciplinary Plan (TIP), Student Judicial Services, College of Natural Sciences (CNS), and other organizations, as needed
- Created the SACS curriculum assessment for the CS undergraduate degree plans
- Selected to represent the department and college as a commencement marshal for college and university-wide ceremonies

### **Courses Taught**

Computer Fluency	Introduction to Programming	Introduction to Data Structures
Technical Writing	Contemporary Issues in CS	Algorithms and Data Structures

### **Committees**

CNS Course and Curriculum	CNS Undergraduate Advisors
CS Undergraduate Studies	CS Undergraduate Admissions (Chair)
CS Undergraduate Advising (Chair)	CS Undergraduate Scholarship (Chair)
CNS International Opportunities	Texas Interdisciplinary Plan (TIP) Admissions

### **Stetson University, Department of Mathematics and Computer Science, DeLand, FL**

#### **Instructor** (8/90-5/93)

- Taught a variety of core courses and participated in departmental activities

### **The University of North Dakota, Grand Forks, ND**

#### **Instructor** (5/89-8/90)

- Taught a variety of introductory courses and participated in departmental activities

### **COMPUTER SKILLS**

- Java, C, C++, Visual Basic, MS Access, and SQL
- mySQL, PHP, Java Servlets, HTML, and other tools used to create WWW sites
- SPSS, Excel, and other statistical reporting software

### **Priebe Security Services, Inc., Austin, TX**

#### **Technical Support Specialist** (3/05-present)

- Maintained Windows file and email servers
- Wrote disaster recovery plans
- Provided desktop support
- Created and maintained the company web site
- Supported the porting of data and email to a private virtual cloud

### **PointServe, Inc., Austin, TX**

#### **Software Engineer** (4/98-1/00)

- Designed and implemented a home healthcare delivery optimization system using MS Visual Basic, SQL, MS Access, and ADO
- Created and maintained intranet site for PointServe's Core Technologies
- Maintained Java Servlets for companies' Service Exchange web site
- Created training materials and delivered successful classroom and on-site instruction

**CoreStaff, Inc., Austin, TX**

**Communications Specialist** (5/95-8/97)

- Wrote technical documents of an educational nature for Dell Computer's Advanced Technology Group, including White Papers on subjects such as the Pentium Pro processor, Plug and Play technology, and Server Benchmarking
- Coordinated the online production of White Papers and the Vectors technology newsletter

**Enigmatix, Inc., DeLand, FL**

**Software Consultant** (4/93-8/94)

- Designed and implemented custom computer applications including an equipment scheduling application and a batch processing system for a bank householding application
- Co-founded company

**Northstar Enterprises, Inc., Mayville, ND**

**Programmer/Analyst** (5/87-8/90)

- Developed and maintained microcomputer software packages to control LED message displays
- Wrote documentation and users' manuals for various software and hardware systems

**PROFESSIONAL DEVELOPMENT**

Association for Computing Machinery (ACM) (8/89-present)

Special Interest Group in Computer Science Education (SIGCSE) (8/90-present)

- Attended annual conferences

World Congress on Information Technology, Austin, TX (5/06)

Microsoft Faculty Research Summit, Redmond, WA (7/03)

Computer Associates, CA World, Orlando, FL (4/02)

**EDUCATION**

Ph.D., **Computer Science Education**

The University of Texas at Austin, August 1997

M.S., **Computer Science**

University of North Dakota, Grand Forks, May 1990

B.S., **Computer Science (Mathematics Minor)**

University of North Dakota, Grand Forks, May 1987

**PUBLICATIONS AND PRESENTATIONS**

Priebe, Roger, *The Effects of Cooperative Learning in a Second Semester University Computer Science Course*, Unpublished Dissertation, The University of Texas at Austin, August 1997.

Priebe, Roger, *The Effects of Cooperative Learning in a Second Semester University Computer Science Course*, presented at the National Association for Research in Science Teaching, Annual Meeting, Chicago, IL, March 1997.

Priebe, Roger, *A Model for a Survey of Computer Science Course*, presented at the Sixth Annual Southeastern Small College Computing Conference, Jefferson City, TN, November 1992.

Priebe, Roger, *Teaching Computer Science as a Service Course*, Unpublished Masters Thesis, The University of North Dakota, Grand Forks, May 1990.

Nations, James, Priebe, Roger, et. al., *Simulating Tether Vibrations in a Rotating Simulated Gravity Environment*, presented at the University Space Research Association National Convention, Cocoa Beach, FL, June 1988.