

# Dana Steil

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## Objectives

To obtain a Ph. D. in Computer Science.

To continue a productive and enjoyable career as a Computer Science professor and software-engineer.

## Qualifications / Interests

### Personal

- Classroom teaching
- One-on-one mentoring
- Team leading
- Public speaking

### Professional

- Inter-process communication
- Multi threaded programming
- Object oriented programming / design
- Software Engineering

## Experience

2007-current                      University of Alabama                      Tuscaloosa, AL

### **Graduate Research Assistant (CRDL)**

- GIS integration with CARE product. (Crash data analysis.)
- Research – Trooper advisory system using crash and citation data.

2000-current                      Harding University                      Searcy, AR

### **Assistant Professor of Computer Science**

- Teach or have taught the following courses.
  - 150 Programming 1
  - 151 Programming 2
  - 170 Software Development
  - 245 Data Structures
  - 301 Software Engineering
  - 310 Operating Systems
  - 345 Object Oriented Programming
  - 439 Senior Seminar
  - 440 Senior Capstone Project Course
  - 445 Distributed Programming
  - 475 Selected Topics “Console Game Programming”
- Developed an online programming training tool for the students in our department.
- Developed an assembly language IDE and compiler that serves as a training tool.
- Developed a new course in distributed programming.
- Taught the honors computer science courses.
- Serve as an academic advisor.
- Serve as the Computer Science Club sponsor.
- Serve as XEA Social Club sponsor.

2005-2006 ABC Financial Little Rock, AR

**Contract Software Developer**

- Develop and maintain web-based software used to manage health clubs.

2001-2002 Wilson-Bennett Searcy, AR

**Contract Software Developer**

- Designed and developed software to automate the university fundraising process.
- Designed and developed software to automate the university admissions surveying process.

1997 – 2001 Alltel Information Services Little Rock, AR

**Software Developer/ Technical Lead**

- Technical lead, developer, and instructor for the application infrastructure of all products developed within the Service Delivery department at Alltel.
- As an instructor I taught ten students who were a mixture of new college graduates and experienced professionals for six months eight hours a day. To fulfill this responsibility: I prepared class notes, labs and other teaching material. I taught both industry standards and in-house technical skills and tools. I taught good work ethics and programming practices. I also conducted performance evaluations for each student. I also taught some shorter classes off site.
- As a developer I had a reputation of producing top quality work quickly. I worked diligently to meet clients' deadlines. On many occasions I traveled to client sites to help with installs and system problems.

1995-1997 Harding University Searcy, AR

**Student Programmer**

- Programmed/maintained registration, admissions, payroll, and statistics software for the university.

Summer 1996 CUO Harrison, AR

**Summer Programmer Intern**

- Maintained cable-billing system.
- Internationalized portions of product.

**Education**

2002-2004 Harding University Searcy, AR

- M.S.E., Education / Math
- Graduate GPA 4.0

1994-1997 Harding University Searcy, AR

- B.S., Computer Science.
- Under Graduate GPA 3.81

**Honors**

- UA Graduate Council Fellowship, 2007-2008
- UA Graduate Student of the Month, March 2008
- GSA Conference Second Place Presentation Award: "Toward a Trooper Advisory System Using Crash and Citation Data", March 8, 2008
- Upsilon Pi Epsilon, National Honor Society for Computer Science, Inducted 2008

**Publications**

- ESRI SERUG April 2008, "Trooper Advisory System Using Crash and Citation Data"

**Presentations**

- UA CS Research Colloquium Series, October 26, 2007
- GIS Symposium at Troy, October 2007
- UA GSA Conference, March 8, 2008