Tom Capaul

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ACADEMIC DEGREES

MS Computer Science, 1997, Eastern Washington University, Cheney, WA
BA Computer Science, 1994, Eastern Washington University, Cheney, WA

PROFESSIONAL EXPERIENCE

Academic

- **Eastern Washington University,** Cheney, WA: June 2003 to Present
  Senior Lecturer in Computer Science.
- **Eastern Washington University**, Cheney, WA: September 1997 to June 2003
  Lecturer in Computer Science.
- **Eastern Washington University**, Cheney, WA: April 1994 to June 1997
  Graduate Instructor in Computer Science.
- **Edmonds Community College**, Lynnwood Washington: September 1999 – June 2000,
  Computer Science Instructor specializing in C++, Visual Basic, Unix, and Java
  Programming
- **Pacific Northwest National Laboratories (PNNL)**, Richland Washington: June –
  September 1996, graduate research analyst specializing in modeling data using Visual
  Basic
- **Washington State Department of Labor and Industries**, Olympia Washington: July –
  December 1994, research analyst intern specializing in database management and queries
  using Focus and JCL for IBM mainframe

Industrial

- **Soph-Ware Associates**, June-September 1996, developer on a variety of projects, used
  SGML, Java, Visual Basic, C, C++
- **Aurora Consulting Group**, June-August 1999, updated a math education program
  written in Win32 code
- **Aurora Consulting Group**, June-September 2000, developer on project to update a bank
  loan amortization program written in Visual Basic; front and back end website tester
- **NextSentry Corporation**, March 2007-September 2007, developer on project to monitor
  suspicious user activity at banks and credit unions using C# and C++
- **NextSentry Corporation**, June 2008-October 2008, research on document fingerprinting
  – created prototype

FACULTY AND ADMINISTRATIVE LOAD

Courses taught (* indicates courses developed)

- CSCD 110 – Introduction to Programming*
- CSCD 205 – Programming Principles I Lab *
- CSCD 210 – Programming Principles I
- CSCD 211 – Programming Principles II
- CSCD 225 – Programming Principles I*

- CSCD 226 – Programming Principles II*
- CSCD 228 – Introduction to UNIX
- CSCD 229 – C Programming Language
- CSCD 298 – PC Hardware Basics*
- CSCD 300 – Data Structures
- CSCD 306 -- .NET Programming with C#*
- CSCD 316 – Contest Problems*
- CSCD 325 – C++ Programming*
- CSCD 326 – Data Structures I
- CSCD 350 – Software Engineering
- CSCD 328 – Windows Programming with MFC
- CSCD 398 – Visual Basic Programming*
- CSCD 398 – Games Programming Using Visual Basic*
- CSCD 437 – Secure Coding Principles*
- CSCD 439 – Design Patterns*
- CSCD 488 – Senior Project
- CSCD 490 – Senior Capstone
- CSCD 494 – Senior Project

Current Service Assignments:
- Department Assessment Committee (Fall 2004 – present, chair Fall 2008 - present)
- Department Undergraduate Curriculum Committee (Fall 2004 - Present)
- Department Budget and Planning Committee (Spring 2006 – Present)
- Student Advisor
- Faculty Advisor for student ACM club
- Summer Quarter Course Coordinator

Previous Service Assignments:
- Java Transition Committee, Member
- Association for Computing Machinery (ACM) Co-Sponsor at Eastern Washington University
- Special Faculty Hiring Committee, Member
- Competency Based Transfer Committee

Scholarly Activity
- Sabbatical: Understudied Secure Windows Initiative (SWI) group at Microsoft, September 2002 and January through March 2003, to learn process of secure software development.
- Biomedical Inverse research with Dr. Paul Schimpf (principal investigator), Dept. of EECS, Washington State University
- Master's thesis: online helpdesk driven by expert system
- Head Judge, Pacific Northwest Region, ACM International Collegiate Programming Contest (2004 to present)

- Local Programming Contest (attended by Gonzaga, Whitworth, Idaho, and CCS) organizer, problem set creator, and head judge. Contest is held twice per year.
- Regional Programming Contest Site Director