

CHRISTOPHER R. JOHNSON

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OBJECTIVE

Immediate goal is to bridge passion for computer science and joy of working with people. Punctuality, organization, and attention to detail are assets I will use. Long-term goal is to continue education and assist in growing up balanced minds suited for an era of high technology. General life goal is to put insatiable work ethic and extroverted nature to good use.

EDUCATION

University of Tennessee

Masters, Anticipated Ph.D., Computer Science

Knoxville, TN

Fall 2003 to present

- ▶ Remotely working toward Ph.D. Overall GPA: 3.95
- ▶ Served as teaching assistant for undergraduate course in C, non-majors course in MATLAB, and graduate and undergraduate course in theory of computation
- ▶ Member of IEEE Computer Society

University of Northern Iowa

Computer Science, Bachelor of Science

Cedar Falls, IA

Graduated: May 2003

- ▶ Graduated summa cum laude. Overall GPA: 3.96; Major GPA: 3.96
- ▶ Student Representative on Computing Advisory Committee
- ▶ Recipient of College of Natural Sciences Symposium Scholarship (full-tuition)
- ▶ Charter member of Upsilon Pi Epsilon computing science honor society
- ▶ Served as a Conversation Partner for international student organization
- ▶ Completed two years as an English double-major

EXPERIENCE

Visualization Researcher

Fall 2004 to present

University of Tennessee

Knoxville, TN

- ▶ Research methods to visualize large, volumetric datasets for interactivity and insight
- ▶ Expand and maintain Visualization Cookbook, a library of visualization routines and an accompanying online documentation database

Adjunct Faculty

Summer 2006 to present

William Penn University

Ames and Des Moines, IA

- ▶ Construct and deliver instructional material for teaching core computing skills for the University's College for Working Adults

Program Assistant

Fall 2005 to January 2006

Iowa State University

Ames, IA

- ▶ Assisted department chair in daily operation of computer science department
- ▶ Composed and edited copy for departmental promotion, speech material
- ▶ Organized and assembled promotion and tenure casework

Visualization Intern

Summer 2004

Oak Ridge Nat'l. Laboratory

Oak Ridge, TN

- ▶ Developed tool to run and maintain large display wall driven by Linux cluster
- ▶ Built application for team of astrophysicists to simulate neutron star behavior

Programmer, Designer

May 2002 to July 2003

Dyton Media, Inc.

Cedar Falls, IA

- ▶ Created Internet supplements for textbooks using XML, HTML, JavaScript
- ▶ Wrote MS Word macros, shell and Perl utilities to parse and edit documents

Counselor
Summers of 2000-2002

Ingham Lake Bible Camp
Wallingford, IA

- ▶ Served as role model, storyteller, and teacher for 1st through 8th graders
- ▶ Performed routine lawn care, building maintenance, and light construction

Resident Assistant
August 2000 to May 2001

University of Northern Iowa
Cedar Falls, IA

- ▶ Served as teacher, doctor, parent, and friend to UNI residents
- ▶ Developed programming and activities to help build a student community
- ▶ Responsible for security and safety of building and residents

COMPUTER SKILLS

- ▶ Programming languages: C, C++, Perl, PHP, Python, shell, Tcl/Tk, Java, BASIC, Ada, JavaScript, Scheme
- ▶ Markup languages: HTML, LaTeX
- ▶ Internet: FTP, CGI, USENET, cryptography and security, networking, socket programming
- ▶ Software: Microsoft Office, OpenOffice, Photoshop, Windows, Macintosh, Linux, Solaris, myriad Unix utilities, PostgreSQL
- ▶ Visualization Software: VTK, AVS/Express, Chromium, DMX
- ▶ Patience, strong desire to learn

COMMUNITY INVOLVEMENT

- ▶ Volunteer at Riverside Lutheran Bible Camp in Story City, IA; summer 2005
- ▶ Youth leader at Knoxville Vineyard church; fall 2004 to spring 2005

PUBLICATIONS

- ▶ J. Gao, J. Huang, C. Johnson, S. Atchley, and J. Kohl. Distributed Data Management for Large Volume Visualization. In *Proceedings of IEEE Visualization Conference*, October 2005.