

Erika Kretzmer

ekretzmer@gmail.com

(608) 354-1858 (mobile)

<http://www.cs.wisc.edu/~kretzmer/about.html>

2906 Stevens St. #2

Madison, WI 53705

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Profile and Objective

I enjoy transforming business visions into software solutions. I seek a position in which I can use my strong analytic skills, while challenging myself to learn new technologies.

Work experience

Database developer, Customer Potential Management. November 2006 to present.

Integrated hospital data sources into a proprietary standard data model for use in a CRM marketing strategy.

- Learned Oracle PL/SQL. Mastered Perl Regular Expressions, SQL.
- Custom scripting in Perl and Oracle PL/SQL.
- Independent project management.

Database developer, Danisco. September 2006. (Contract)

Designed Microsoft Access application to manage product specifications.

- Evaluated end-user requirements .
- Designed software application to meet end-user needs.
- Custom scripting in Visual Basic and SQL.

Graduate Assistant, Johns Hopkins University. 2001-2006

Researched a question in clinical neuroscience and designed experiments that improved physicians' understanding of auditory prosthetic function. Under the guidance of Dr. David Ryugo.

- Successful graduate career, including award of competitive NIH grant and publication of the research in the top US science journal.
- Managed team members to implement surgery.
- Implemented feline colony database (Progeny) and designed histology database (Access).
- Complied with USDA, FDA, and institutional regulations.
- Maintained software written in Matlab, Visual C++, and Visual Basic.
- Wrote software in Visual Basic and Matlab.

Graduate assistant, Johns Hopkins University. 2000-2001.

Researched a question in vision using functional imaging of the human brain. Under the supervision of Dr. Ed Connor.

- Implemented stimuli using Visual C++.

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Teaching assistant, Johns Hopkins University. 2001-2002.

Taught medical and undergraduate students in two courses.

December 1, 2007

Other Employment and Volunteer Work

Google Answers, 2002-2006. Answered intriguing questions about science and other topics.

Secretary, Madison Community Cooperative, 2000. Reported on board meetings

Treasurer, Women's Cooperative 1999-2000. Accounts receivable and payable. Prepared budget for eight member housing cooperative.

Formal Education

Johns Hopkins University School of Medicine. PhD, Neuroscience, May 2006. Dissertation, "The spiral ganglion neurons of the cochlea after use of a cochlear implant".

University of Wisconsin at Madison, May 2000. College of Letters and Sciences. B.S.

Double major in Computer Science and Molecular Biology.

Publications

DK Ryugo*, EA Kretzmer*, JK Niparko. (2005) "Restoration of auditory nerve synapses in cats by cochlear implants." Science. 310: 1490-1492. *Joint first authors.

EA Kretzmer, NE Meltzer, CA Haenggeli, DK Ryugo. (2004). "An animal model for cochlear implants." Archives of Otolaryngology. 130: 499-508.

Knowledge

Software

Microsoft Office (Word, Powerpoint, Access, Excel, and Visual Basic), Photoshop, Acrobat, and other software. Oracle 10g.

Computer languages

Perl, awk, Oracle PL/SQL, SQL, HTML, css, Java, c++ , and others.

Computing

Administration of Windows 2000, XP, and NT, Red Hat and Mandrake Linux, AS/400.

Familiarity with Mac OS X, OS 7-9.